

Wing BEATS

A publication of Liberty Wildlife

Path of Plenty

by Gail Cochrane

In Phoenix there is renewed interest in seeing the Salt River reestablished to provide riparian and recreational benefits to the Valley. Already the Rio Salado Habitat Restoration flourishes along five miles south of downtown. More than 200 species of birds, mammals, reptiles and amphibians live near or migrate through this demonstration wetland.

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Water connects us all. The river connects us. The tribal communities see ourselves as the spiritual, cultural and historic backbone to this project moving forward. There is so much opportunity.

Stephan Roe Lewis,
Gila River Indian Community

Visit us online at
www.libertywildlife.org

from the **director's chair**



Celebrate our natural world every day of your lives.

As I look back over 2017, I see many important accomplishments at Liberty Wildlife. When asked, “How does this continue to happen with such a small staff?” I don’t hesitate in answering that question. It continues to happen because Liberty Wildlife has the hardest working staff and the most dedicated volunteers possible. Add to that mix, the donors who value what we do and continue to support it. Without this, things wouldn’t be so successful. Those basic needs make for tremendous success when you add two other necessities—partnerships and innovations. We have those in abundance.

To begin with, we partner with Mother Nature as best we can in all of the work that we do. I think we get the best end of that deal. Enough said. You will see as you read through this issue that we work in conjunction with a number of other entities in all areas of our programming. Each of these collaborations makes all partners stronger. Within these collaborations, we find room to be innovative. It is never okay to rest on one’s laurels. Moving to a new facility allowed us to re-think what we do with less constraints and indeed to do things better. As Marissa Mayer said so well, “When you need to innovate, you need to collaborate.” The 180 foot flight cage afforded us an opportunity to do just

that. Read about the project with SRP to address the unfortunate electric shock issues with birds of prey—solutions to a long-standing problem are at hand.

We are adding innovative educational programming that highlights STEM skills through our Liberty Wildlife Summer Camp and school field trips. This year we are adding programming that is guaranteed to trip your goose bump trigger. But, you will have to wait to see that! There are a number of ways to awaken awareness of the beauty of the southwest, and we are giving it our best through our Sippin’ the Spirit of the Southwest Series. Stay tuned to our web site for info on more of these fun events.

One of the biggest opportunities for us to innovate and collaborate falls in the realm of the Rio Reimagined movement that is the legacy of Senator John McCain. The importance of a river amenity in a desert can be overwhelming to evaluate, but many important players are coming together to make the river flow again. Rivers are important on their own, but a desert river is beyond the pale. The fact that Liberty Wildlife is a very lucky participant hasn’t gone unnoticed. Follow the development of this reawakening of river energy...I certainly will.

Of course, sprinkled through this magazine you are able to follow tips about wildlife, ways to help with our mission, and celebrate nature in all her splendor. 2018: The Year of the Bird will hopefully focus our awareness not only on the glory of our feathered friends, but also on the importance of the healthy habitat that all wildlife...and humans too...must have.

Celebrate our natural world every day of your lives. Work together in new ways to improve it for all of us. We are all connected. Don’t ever forget that. It is best said by Helen Keller, “Alone we can do so little; together we can do so much.”

A handwritten signature in cursive script that reads "Megan Mosby".

Megan Mosby
Executive Director

Liberty Wildlife

Public Welcome

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Currently Liberty Wildlife is open to the public three days a week. On Wednesday, Saturday and Sunday. The hours vary. During the hot summer months doors open at 9am and close at 11am. The rest of the year, we are open from 10am to 1pm. It is best to check our web page for hours before setting out. There are occasions

during the year that special events extend the hours, and that too is reflected on the web page. The Sippin' the Spirit of the Southwest Series (pictured here) and the Baby Bird Shower are such occasions. Find out more at www.libertywildlife.org.

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WingBeats is an annual publication of Liberty Wildlife, Inc. issued to supporters of the organization.

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Great horned owl
Education Ambassador, Igor
Photo by Jonas Levine

Rio Reimagined

Summer of 2002 - "site cleanup resulted in removal of 1,200 tons of metal, 5,000 tons of abandoned construction debris."

City of Phoenix Beyond the Banks of the Phoenix Rio Salado Environmental Restoration Project

by Megan Mosby

Not every desert community has a river flowing through it as we do in Maricopa County. In fact, few do. Unfortunately, for too many years our desert jewel has been mistreated....among other things, our rarity has been used as a dumping ground, and its essence depleted as dams were constructed to support the growth in the Valley.

Historically, the river allowed native people to transport themselves, to grow and transport crops, and to live in balance with the nature provided by a flowing river. That reality ended, and something needed to change.

Fueled by the notion of a revitalized river the vision of a group of ASU students and their professor in the early 1960s sparked the first phase of the return of the Rio Salado. As with many dreams, the fulfillment of these efforts has taken longer than desired and the early efforts stopped short of its potential. As of now, Town Lake in Tempe is a reality and surpasses what many thought were its possibilities; however funding and support dwindled and for this dream of Rio Reimagined to continue a new champion was needed.

Enter Senator John McCain. According to McCain, "The Rio Salado project has

the potential to transform the Salt River bottom and realize an untapped Valley Treasure." McCain has re-engaged ASU to be the "convener" of the dream, which could also be a model for other rivers statewide. Stakeholders who will help shepherd this dream include the eight communities along the stretch of the river—Buckeye, Goodyear, Avondale, Gila River Indian Community, Phoenix, Tempe, and the Salt River Pima Maricopa Indian Community. Also lined up to continue the earlier development is Arizona Forward, formerly Valley Forward. CEO of Arizona Forward, Lori Singleton says, "Arizona Forward recently convened a forum to generate dialogue related to the environmental and healthy community aspects of the Rio Reimagined project. More than 250 community leaders attended to provide input to ensure that this project is able to navigate the political regulatory and funding efforts necessary to bring the project to fruition. Arizona Forward's history in creating the original legislation that formed the Rio Salado District and convening a working group that carried the project for many years gives the organization great insight into the challenges of seeing a project like this come to fruition. Arizona Forward's members bring expertise as it relates to water management, healthy communi-

ties, river restoration, flood control, wildlife protection, and habitat restoration, and will continue to be a valuable community partner in ensuring the success of the project."

Time will tell, but as the old Greek proverb says, "A society grows great when old men plant trees whose shade they will never sit in."

I await the revitalization of the river that flows right out our back door. It makes me happy to imagine the Rio Salado restored with all that brings to our shared community. It always has been the right thing to do.



Beaver pond created on the Salt River

Photos by Barb Del'Ve

Partnerships Make Us Stronger

At Liberty Wildlife we have learned that partnerships with their many facets make all concerned stronger. We consciously seek to partner with a number of different entities around the State. Some of these have a rehabilitation emphasis, some have an educational emphasis and some are conservation oriented with a touch of both programs.

On the education level, we have partnered for a long time with **The Hyatt at Gainey Ranch**. First, we have a regular gig on Friday afternoons during the “season” to provide wildlife education for guests from around the globe that want a close up look at southwestern native wildlife. Our flighted program has delighted people who are so touched that they take the time to communicate with us when they go back home...the wow factor is huge and leaves a lasting memory. We also provide educational programming during the week by introducing a different raptor to guests at the facility all week long. It is a win-win for both of us.



The **Verde Canyon Railroad** in Clarkdale has become a treasured partner for us also. The memorable train ride afforded to the public winds its way through a canyon that supports among other things, nesting bald eagles. What a delight it is for the folks that ride the rails on the day that we have one of our bald eagles on board. It is always a thrill to see a bald eagle in the wild, and this often happens on the ride, but even greater is the opportunity to ride the rails with an eagle in front of you in the open cars...and that happens once a month. We also provide an educational booth for showing off other wildlife ambassadors monthly for riders getting ready to board the train.

Photos:

Joe Miller and bald eagle Education Ambassador, Sonora on the VCRR.

Kyle McCarty, Arizona Game & Fish, placing a bald eagle nestling back in its nest.

Liberty Wildlife testing perching habits of Harris' hawks for SRP.

At Christmas this year we plan to partner with the **Desert Botanical Garden** again to introduce nocturnal raptors to guests who lineup for the famous Luminarias during the season. That is a big hit with guests who enjoy seeing another part of nature amidst the beauty of the garden. This year we will be joining the Verde Canyon Rail Road's Christmas Village and “fly” guests to the “North Pole” with the help of an eagle. You might not want to miss this innovative adventure at Arizona's North Pole.



In the category of partners who take advantage of our rehabilitation and educational programs you will find **SRP** and **APS**. For years our biologists have assisted these two companies with their avian and wildlife protection programs. Nest moves, prophylactic programs to save wildlife and massive efforts to educate employees about the beauty and benefits of wildlife are a major function of these partnerships.

Avangrid Renewables partners with Liberty Wildlife in a number of conservation-oriented ways, from moving a prairie dog community to potentially assist with studies designed to mitigate the issues around wind farms.

We are always happy to add to our list of partners. We are stronger together. Wildlife benefits when we work together to ensure the safety and well-being of our nature neighbors.



Path of Plenty



Photo by Gail Cochrane

by Gail Cochrane
Liberty Wildlife Volunteer

Humans have thrived in this gritty-dry valley since the Hohokam established an agricultural lifestyle here. Their villages grew at the edges of a life-giving river that snaked down from the high country, wending its way along the desert floor. The diversionary canals the ancients dug to provide irrigation for food crops are still present, and the engineering still admired. But now the formerly brawny Salt River is dammed well east of the valley to prevent flooding, and the water, harnessed to serve our thirsty ways, flows in cement lined canals.

Back in the day, trees shaded leafy riverbanks alive with wildlife, resident and migratory. Now only intermittent water pools along the former riverbed, largely from effluent and runoff. Stretches of the river have been revived through civil works projects such as the Rio Salado

Habitat Restoration and Tempe Town Lake. Largely though, the Salt River's impact on the Valley has been erased.

Drive north on I-17 to see a tributary of the Salt River and imagine what could be. Bubbling springs give birth to the Verde River high on the Colorado Plateau. The resulting stream draws from the Big Chino aquifer and swells with perennial tributary waters from Oak Creek, Wet Beaver Creek, West Clear Creek, and the East Verde. As the Verde flows through barren landscape, from the plateau to the Sonoran Desert, it lays down a path of plenty. The moist soil extending from the riverbanks is favored by towering Fremont cottonwood, sycamore, ash, and willow trees. These trees reach massive crowns into the sky and sink a network of roots into the earth. Thus, the river banks are fortified against erosion, and the

multilayered canopy captures moisture, enabling a robust population of riparian flora and fauna.

In Cottonwood the Jail Trail descends to the riparian oasis created by the Verde River from a parking lot on Main street. When I visit on a morning in June, lush deciduous trees grow in a close community along the trail and the footing feels spongy. River dependent trees provide critical habitat and cover for local residents: white tailed deer, great horned owls, Arizona grey squirrels, coyote, foxes, beaver, and multitudes of others. Fallen branches hoard piles of dry leaves and river detritus. Grasses, reeds and shrubbery create a dense undergrowth. Cottonwood trees felled by beavers interrupt the river's flow, creating inviting pools for dragonflies and fish, and allowing precious absorption into the water table.

Lizards rustle through the leaves as I traipse around looking for a sight of the river. A side trail leads to an area thick with reeds, and beyond the fringe of spiky cattails lies a green band of river. Yes, there is water.

In the desert, water is a precious and transformative gift. Whether or not the water itself is visible, the river shows in shafts of light sifting through vivid green leaves. It glows in the bright orange of flashing monarch butterfly wings. The river speaks in the soft rattle of the cottonwood leaves and the high whine of hummingbirds zooming about. Water floats on the air itself, the ambient moisture easing the squint in my face and cooling my skin.

The Verde River is vital to migrating species. Riparian rest stations provide food, shelter, water, and space to reproduce. Here you will find the widest variety of plant life in the high desert. Lazuli buntings hunt insects in high treetops in spring. Ruby-crowned kinglets hang out in wintertime warmth.

Rufous hummingbirds stop over here on their epic migration from Alaska to Central Mexico. Here the very rare common black hawks are found. Even the severely endangered western yellow-billed cuckoo breeds and nests in the shade of willow, hackberry and mesquite trees found in these riparian forests.

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The Verde River is the largest tributary of the Salt River, merging in a turbulent roil of waters east of Mesa. The Salt's headwaters trace back to the Tonto National Forest high in the White Mountains. The Black River, the East Fork and the White River run into the Salt River above Roosevelt Dam. The Agua Fria is also a tributary of the Salt River. And the Salt ultimately empties into the Gila River in the southwest Valley. This is a substantial watershed, yet scientists with Nature Conservancy estimate Arizona has lost around 90% of its riparian habitat in the last 100 years. Reasons include overuse of ground water, climate change and unregulated recreational use. Many formerly vibrant populations of wildlife have fallen into serious decline as a result.

Here in Phoenix there is renewed interest in seeing the Salt River reestablished to provide riparian and recreational benefits to the Valley. Already the Rio Salado Habitat Restoration flourishes along five miles south of downtown. Some 76,000 trees and shrubs have been planted in the formerly barren river corridor. More than 200 species of birds, mammals, reptiles and amphibians live near or migrate through this demonstration wetland.

The Rio Salado Restoration Area is just one component of a river restoration partnership between the US Army Corps of Engineers and the City of Phoenix. A sister project at Tres Rios Wetlands makes use of city waste water and storm runoff to mitigate flooding and create critical natural habitat for Arizona wildlife. At the future Rio Salado Oeste, approximately 1,500 acres of riparian habitat, encompassing eight miles of the Salt River will be returned to a more natural state. Grading, terracing and improved storm water retention will allow cottonwood/willow, mesquite, and typical wetland plants to flourish.

I think back on the verdant trail beside the Verde River and try to imagine such a ribbon of life coursing through our city, though our lives. What a gift that would be.

"Let nature be your teacher."

William Wordsworth



Yellow-billed cuckoo

2018 The Year of the Bird

by Megan Mosby, Executive Director



To learn more about migration go to
www.allaboutbirds.org/mesmerizing-migration-map/

I have to admit that I was very excited about the potential of 2018 being the Year of the Bird. It seemed like the announcement meant that greatly deserved attention was going to hurtle head long into the path of saving more birds, species, habitat, and all of the good things that come with the new attention.

Well, I am sorry to say that I was wrong.

Let me explain. One hundred years ago, wise people passed the Migratory Bird Treaty Act (MBTA). It has been one of the most powerful mechanisms for the protection of migratory birds ever initiated. The demise of species for absurd activities like harvesting plumage for hats was one of the many reasons that it had to be addressed. Hooray...some teeth to provide conservation measures to benefit migratory bird populations!

It allowed for some leverage to get concerned entities to the table to discuss the needs for changes in practices that were causing large scale decimation of wild birds. One of the biggest offenders has been large corporations in the oil industry. For example, by leaving large oil pits uncovered 500,000 to 1,000,000 birds were lost in a year. Huge oil spills like Exxon Valdez and Deep Water Horizon

had disastrous and potentially long-term effects on the areas their spills poisoned.

The potential for fines and mitigation used to have an impact.

Now, a recent change in policy has basically removed the teeth in this act. Previously the MBTA prohibited the unregulated killing (taking) of migratory birds. The reinterpretation of the Act allows for the killing of millions of birds if the intention wasn't to kill the bird.

This can filter all of the way down to our own back yards. For instance, a burrowing owl community has moved into an old burrowing system on an undisturbed lot. They are happily raising their babies (and by the way are removing scorpions, roaches, mice, and other pesky sorts of critters from your 'hood'). But, now the developer whose intention is to build a house on the lot behind you no longer has to get permission to remove the burrows and the owl, before starting the construction. The owls, babies and all, will just have to deal with their habitat being destroyed...oh yeah, and possibly being killed...just collateral damage.

The passage one hundred years ago of the MBTA was a tremendous boost for conservation leadership in this country.

However, in April of 2018, The Year of the Bird, the enforcement of the law was redefined. I can't help but see irony (and a big dose of sadness) in the juxtaposition of these two things. I have been an advocate for wildlife and birds in particular for the better part of my life. It is my belief that this change in interpretation doesn't really reflect the values of the majority of Americans who care deeply about wild birds, their habitat, and their overall well-being.

I remain hopeful that the American conscience will speak loudly in letting the powers-that-be know that birds, their habitat, their survival matters.



Sandhill crane migration
Photos by Terry Stevens

Speak up! Be heard in 2018, The Year of the Bird. Try to do something positive for the birds you love and enjoy.

"Humankind's greatest priority is to reintegrate with the natural world."

Jonathon Porritt

NEFR

Recognizing Graduates Celebrating with Tradition

by Mare Van Dyke, Liberty Wildlife volunteer

Liberty Wildlife Non-Eagle Feather Repository (NEFR) expanded its role in supporting Native American cultures by providing feathers to Native American students of the 2018 graduating class of Casa Grande Union High School. The celebration was held at their 6th Annual Graduation Pow Wow on May 19th.

Each of the 78 Native American graduates throughout the Casa Grande Union High School District received the feather of a red-tailed hawk to celebrate their accomplishments. The pow wow was held at the Jack Spilsbury Gymnasium in Casa Grande, Arizona, to recognize Native American seniors and students from over 20 tribes from throughout the United States.

Gene Manual of CGUHSD and the Amerind Club presented graduates with their feather, a highlight of the daylong

event. "These students are eager to learn the cultures and traditions of the Native American tribes, and we're here to promote a better understanding among all students of our Native American heritage for a promising future. It's important to recognize these students who are all very deserving of so much," he said.

Since Liberty Wildlife established the Non-Eagle Feather Repository in cooperation with the U.S. Fish and Wildlife Service in late 2010, we have distributed feathers to over 3,650 Native Americans, representing 173 different tribes, located in 47 states. Participation in this event represents our mission to increase outreach efforts to Native American cultures by providing non-eagle feathers for religious and ceremonial purposes.



Best wishes to these graduates.
May they keep soaring!



Sippin' the Spirit of the Southwest at Liberty Wildlife

Above: Megan Mosby, with Renetto-mario Etsitty presenting Navajo dishes

Right: Robert Mesta showcasing the NEFR room

Photography by Clayton Karas



Two Ducks Walk into a backyard...

by Terry Stevens, Operations Director

When I first moved to the Valley and actually began to go on rescue calls from the various wildlife groups in the area, I learned that in the spring one of the big problems was ducks that nested around backyard pools. People would notice one or two adult mallards in their pool, but they soon disappeared, or so it seemed. Then, about four weeks later, the property owners awakened one morning to a mom and between one and fourteen ducklings swimming in the pool. My, isn't that cute? Well, maybe for a day or two...

Extracting ducklings from a pool isn't as easy as all the YouTube videos would have you believe. Just scooping them out of the water with the leaf net and dumping them over the fence is NOT rescuing them. Yes, getting caught in the skimmer is an obvious danger, but since being waterproof is an ability they acquire through close proximity to their mother, they need to be able to get out of the pool, especially at night. People also generally think that the chemicals in

backyard pools are hazardous to ducklings. In reality, long before chlorine and acid become a factor, ducklings will starve to death. Generally pools don't have an adequate food supply unless there are fresh water clams growing on the pool walls (and if this is the case, maybe you DO want ducks there after all!) Ducklings are the "precocial" type of young and as such are not fed by their mother. All of this means that until ducklings are nearly able to fly, they either need a mother duck or a substitute (rehabilitator) to care for them – a three month process that is both time consuming and costly.

Relocating a family of ducks from a backyard environment is one of the more challenging assignments for a Rescue & Transport volunteer. When ducklings are to be removed from a pool, capturing the mother duck is of paramount importance. If she is caught, the babies are relatively easy to eventually gather up, and the entire family can then be kept intact and relocated to a lake or other appropriate body of water. If she is not

taken, then the ducklings still have to be captured and brought to a facility where they will live for the next 10 weeks or so. Due to the constraint on volunteer time and resources, Liberty Wildlife has discontinued dispatching rescue volunteers to collect ducklings from pools. The public is now being asked to help us by bringing in any ducklings that they capture, just as they would bring in any other orphan baby birds. If they are able to also catch the mother duck, then the family can be taken to the nearest body of water and released together.

Mallard ducks are considered migratory even if they have set up permanent housekeeping in Arizona, and as such are fully protected under the Migratory Bird Treaty Act (MBTA) regulations. These regulations prohibit anyone without a permit from "pursuing, hunting, capturing, killing...any migratory bird or any part, nest, or egg of any such bird." It is, therefore, unlawful to bother ducks while they are nesting. However, a conversation with the Migratory Bird Office indicated that prior to laying eggs,



if the animals are somehow convinced to discontinue nesting activity in a non-lethal manner, the law has not been broken. It is suggested that noise, squirting water from a hose, clapping hands or generally harassing ducks from actually continuing to nest on private property would be an acceptable means to avoid having to obtain the required permit and subsequently remove ducklings from a backyard pool. This would also have the benefit of encouraging the parents to nest in a more appropriate setting of a natural lake or stream the next time they are in the breeding mood.

If instead of mallard ducks you have a problem with nesting Canada geese, there is some relief available. The U.S. Fish &

Wildlife Service Migratory Bird Program has designated a specific period during which, if Canada Geese choose to breed locally, they lose some protection as migratory birds. During that time, the normal permit is not required to interfere with nesting or other breeding activities. If you're concerned with what to do about Canada geese on your property, you can contact the USFW Migratory Bird Permit Office in Albuquerque at (505) 248-7882.



Sippin' the Spirit of the Southwest

the Series

It seems appropriate that we recognize the historically rich culture of the southwest since everything we do at Liberty Wildlife impacts our surroundings, culturally, naturally, and socially. Our mission to *nurture the nature of Arizona* includes wildlife, people, plants, arts and cultures of the area.

With this in mind, we started a series to celebrate the beauty and benefits of the southwest. Beginning with Native American culture that has brought us stunning art, the use of edible desert foods, music, and beverages, our Sippin' the Spirit of the Southwest evening event featured all of these things.

Each of the events included our native wildlife with programming and individual presentations of our native wildlife ambassadors. The first event in the series featured Native chefs who provided food from the desert. Mixologists provided beverages infused with desert flavors and herbs, and Native dancers and performers dressed in cultural regalia (*photo below*) performed southwestern traditional ceremonies.

The second event in the series was a "family affair." Native food was served as well as colorful aqua frescas and infused and locally brewed beverages. The performers included a dynamic dancer who taught the bachata to the group and an axe throwing, unicycle riding juggler who wowed the audience...both experts at getting the crowd to interact! Organizer of these two events, Jeffery Lazos Ferns, gathered up interested attendees and strolled around the property pointing out /foraging for edible foods and plants on our 6 ½ acres. Participants learned something that they didn't know before and seemed to enjoy the unique experience.

The series will continue into the fall and winter with new Sippin' the Spirit of the Southwest events. Stay tuned and watch the website, www.libertywildlife.org, for information about the upcoming events.

Photo by Clayton Karas



Photo by Terry Stevens



Accidental Eden

by Gregory Martin
Liberty Wildlife Volunteer

You are a fish. You and your fellows dwell within a pond, surrounded by likeminded creatures, happily and safely ensconced in your element. Today is like any other day, until movement catches your eye; something disturbs the water. A crimson dragonfly, its purpose unknown, obliviously skims the edge of your domain.

It stops abruptly, hovering within reach, practically begging you to eat it. Whatever mad impulse compels it to tempt fate, it presents a now-or-never opportunity. For every organism on this Earth, sustenance is life: if you don't grab it, something else will.

You aren't the only fish watching said insect. Nor is your meal-to-be the only snack being eyed. A great blue heron lurks nearby, half-concealed in the reeds, a spear-faced, stilt-legged monster eager for a hardy meal. The water protects you, but it cannot always conceal you. If you want to eat, you must risk breaching the surface. Whether you can get back down before it grabs you is another matter.

Countless lives, not just these three, bind their fates in this single moment. That dragonfly pauses where it does for a reason: the pond is its key to survival, the future home of its eggs, and the source of its nourishment. It has to take the risk of stopping. If it doesn't, it starves. If it doesn't, you starve. For the sake of its existence, that dragonfly must come to the water, just like you must try to catch it. Just like the heron must try to snag you with its beak.

If fish gave up on eating dragonflies, there would soon be so many dragonflies that they'd overrun your pond, outstrip its resources, and outcompete one another into certain starvation. The primal act of a fish's predation exerts a powerful counterforce on the dragonfly's own compulsions. Competing drives to survive blunt each other's excesses. Even if this dragonfly gets away,

not all of them will be fast enough, and you and your kin will eat just enough of them to balance out their population, which in turn provides enough food – not too much, and not too little – to balance out yours. As the fish, attempting to eat the dragonfly is not just your urge: it's your mission. Even if it means testing your reflexes against those of a feathered horror poised like a gunslinger, just waiting for you to make its day.

The heron (seen here), too, serves a larger goal. If fish could snatch up all the dragonflies they desired, without any kind of population check, they'd succumb to starvation as too many fish battle it out for too little food. At the end of the day, for the sake of everyone's survival, the fish have to make the attempt, and some have to fail. Just as all dragonflies have to seek their fortune near the water, and some need to be eaten. That's how the system maintains itself.

Together, these species form a machine, but like interlocking gears, they only function when fitted together. Remove one cog, and the rest lose their moorings. The miracle isn't in the complexity of an ecosystem the size of a small pond; it's that billions of such systems exist. Even more incredible, these interdependent webs have a remarkable way of spontaneously adapting to new opportunities, even where none existed. The fish in this particular web live in Liberty Wildlife's own backyard, an area that was dry and barren until we decided otherwise.

Our main courtyard boasts a stocked artificial pond and tributary stream that form the cornerstone of our facility

landscaping. Water attracts bugs, which provide food for the fish; fish attract water birds, which do their part to keep their numbers in check. At some point along the line, frogs decided to throw themselves into the mix, and it's all but inevitable that a quick-witted raptor will realize that a tiny wilderness has sprouted up, one in need of an apex predator. Earlier this year, a mated pair of mallard ducks recognized our miniature riparian area as a world unto itself, and settled in long enough to hatch a brood of baby ducklings.



Animals and plants have the potential to form interdependent lifecycles wherever the seeds of possibility exist. The fish alone, along with some water-loving plants, were the only deliberate addition on our part. The rest of this micro-wetland, from the dragonflies to the ducks to the herons, came afterward. An entire self-sustaining machine formed around a single fishy cog. Riparian areas – verdant wetlands that often originate as byproducts of waterway manipulation – are one of the most potent grounds for the formation of new ecosystems. Whether you drink it, live in it, or lay your eggs near it, water is life. Because watering holes of all stripes represent natural congregation points, even upstart areas quickly teem with multitudes of life.

Arizona residents living around the greater Phoenix area are no doubt familiar with Tempe Town Lake, an artificial body of water deliberately fashioned to provide a recreational oasis here in the desert. Within walking distance of Arizo-

na State University, the lake represents a refreshing escape from the heat for the many people constantly indulging in its myriad opportunities. So too does it represent something for the bald eagles, ospreys, and countless smaller birds drawn in by the stocked fish population. So too for the dragonflies and other insects attracted to the water for their own purposes. And for the birds that feed on them. Nearby, green patches of wilderness that practically sprang into existence overnight as the result of water manipulation, offer further refuge to creatures seeking a place to call their own.

We can tell the difference between a natural lake and an artificial one, but those nesting eagles can't. The mallards who graced Liberty Wildlife with their presence had no thought about whether our pond was human made or preexisting.

Animals of all kinds seeking shelter, shade, food, and drink along the riparian

corridors now lining our freeway, don't think twice about how these landscapes came to be, only that they're here.

It is reaffirming to know that not every change wrought on the world by human hands is destructive. Some can be downright helpful. If there's a lesson to be learned from these overnight Edens, whether accidental or artificial, it's that the machinery of Nature can and will repair itself, even now... but only if we give it room.



Spotted skimmer dragonfly

Liberty Wildlife Partners with Colleges

through our internship program

We are proud to highlight our ongoing partnership with nearby ASU through the School of Sustainability, Barrett Honors College, Liberal Arts and Sciences, and Carey Business College, and our new partnerships with Tufts Cummings, MA, Valparaiso University, IN, and Evergreen State College, WA.

ASU School of Sustainability

Brenda Davis - Integrative Health and Food Systems. Developed "Unwanted" posters of invasive plants, fish, insects, and worked on field trip curriculum for K-8th grade.

Gabrielle Pinho - Ecosystems. Focused on pollinators, designed the "Bee Bench" in our pollinator garden and produced informational cards such as "A Breakfast without Bees."

Zachary Jeffers - Conservation, Renewable Energy. Assisted in completion of the walk-through aviary, helped to mark the trail to the Rio Salado, assisted with upkeep on solar panels.

Ron Turner - Wildlife Management, Conservation. Led team to develop curriculum for summer camp; assisted in enclosure building and assisted in building structures in rehabilitation enclosures for prey.

ASU Carey Business School

Kaitlin Gaio - Marketing. Created social media posts, assisted in organizing Sustainability Expo Fair with other interns.

ASU Barrett Honors College

Delaney Bucker - Liberal Arts and Sciences. Curriculum development and strategic planning, assisted in planning future speaker series, assisted in care and upkeep of educational mammals.

ASU Liberal Arts and Sciences

Sam Jones - Liberal Studies with focuses in Sustainability and Landscape Studies. Designed and built the Betty and Bert Feingold Walk-through Aviary at Liberty Wildlife. Mapped out trail from Liberty Wildlife to the Rio Salado, assisted with overseeing Greeters/Guides.

Lora Mason - Integrative Studies. Focused on rehabilitation, medical protocol and procedures.

Valparaiso University

Emily Trimpe - Biology. Developed interactive smart board game "Endangered Species."

Tufts Cummings School of Veterinary Medicine

Briana Stockdale - Conservation Medicine. Studied rehabilitation protocol and procedures.

Evergreen State College

Tycho Rowe - Environmental Studies and Zoology. Studied rehabilitation protocol and procedures.



WILDLIFE

This Page - clockwise from top left:
Brown bears by Mike Ince
California condor by Mike Ince
Bald eagle Education Ambassador,
Libby by Matt VanWallene
Wild horses by Mike Ince

Opposite page - clockwise from top left:
Acorn woodpecker by Christie Van Cleve
Cooper's hawk by Christie Van Cleve
Summer tanager by Peter Hogan
Coyote by Pete Thompson
Hummingbird by Pete Thompson
Green heron by Morry Marshall



Coatis...



*Like so many
species of
wildlife do
today, coatis
share the same
struggle—loss
of habitat.*



Coatis

such interesting little creatures

by Megan Mosby
Executive Director

From the tip of its nose to the tip of its tail and everything in between, the coati is an interesting little creature. The coati is related to the raccoon, which seems obvious, as they both have long striped tails. Unlike the raccoon, the coati's tail is semi-prehensile allowing the tip to move slightly on its own and help with balance as it moves. At the front end is a long and flexible nose that helps it forage...sniffing and feeling for things under the leaves in the soil and under rocks. Weighing in at between 10 to 25 pounds and measuring 30 to 55 inches long, they have small ears, dark feet and a tail that could measure two feet long. Coatis have greyish brown fur, a white band near the end of the nose, a white spot above and below the eyes and on the cheek.

There are four coati species: the mountain coati, the South American coati, the Cozumel coati and the white-nosed coati found in southwestern North America. In Arizona, they can be found in oak and sycamore lined canyons or lower

riparian areas of the Sonoran and Chihuahuan deserts, from the Superstition Mountains east of Phoenix and the Huachuca Mountains southeast of Tucson. They prefer elevations of 4,500 to 7,500 feet but will travel to lower deserts in the winter. They are most active during the early morning and late afternoon and prefer to sleep in trees at night. The coati females travel in groups. The term coati mundi (lone coati) is generally used to describe the male who travels alone, except briefly during breeding season.

They are nosy, noisy, social creatures who travel in groups of females with their young foraging to satisfy an insatiable appetite. They are opportunistic feeders eating grubs, invertebrates, snakes and lizards, or tend to climb trees for nuts, berries and fruit. They have long non-retractable claws to facilitate climbing trees and a nifty adaptation of ankles that can rotate 180 degrees making it possible to descend from a tree head first, rapidly. They also walk on the toes of their front paws and the soles of

their back feet. Their noses can rotate 60 degrees, which allows for successful foraging enabling them to root through leaf litter and soil and even to turn over rocks in search of suitable food.

Not only are they endearing, but they are also important members of the ecosystem. Their foraging behavior for insects, etc. does an important job of keeping those would be "pests" in a balance, and Coatis are prey animals for larger cats and raptors. They aid in seed dispersal by ingesting seeds, which go through their digestive systems making them available throughout the coati territory.

Like so many species of wildlife do today, coatis share the same struggle—loss of habitat. They can be hunted in most of their territory except in New Mexico where they are listed as an endangered species.

We are indeed lucky to share our space with the unique little coatis. Please make room for them.

Open Hours

what to do during open hours at Liberty Wildlife

by Megan Mosby

Currently Liberty Wildlife is open to the public three days a week. On Wednesday, Saturday and Sunday.

The hours vary. During the hot summer months doors open at 9am and close at 11am. The rest of the year, we open from 10am to 1pm. It is best to check the web page for hours before setting out. There are occasions during the year that special events extend the hours and that too is reflected on the web page. The Sippin' the Spirit of the Southwest Series and the Baby Bird Shower are such occasions.

In case you are wondering what goes on during Open Hours... i.e. "What can I do when I am visiting Liberty Wildlife on just an ordinary day?" Well, there are many things to do. Here are just a few reasons to join us during Open Hours:

- Feeding of the bald or golden eagles with up-close and personal interaction with the eagle and an experienced handler.
- Interact with members of the Hand Feed team and their educational ambassadors.
- Topic programs on Saturday—programs could be seasonally oriented, holiday themed, or sporting event driven.
- Visit the Interactive Room and learn about snakes, lizards, and creepy crawlies, with a few native mammals thrown in for good measure.
- Visit the Non-Eagle Feather Repository and learn about Native Americans and their use of feathers.
- Visit the walk-through aviary.
- View triage of arriving wildlife from the triage bench.
- View surgery through the surgery window if you are lucky enough to be here on a day one is scheduled.
- Take a stroll around the Interpretive Trail.
- Stroll around the wetlands and look for frogs, fish and dragonflies, not to mention visiting ducks, herons, and songbirds.
- Have an occasional visit from Groot, the coatimundi.
- If your timing is right, witness the duck parade.
- Take part in exhibits contributed by the teen club including everyone's favorite...pellet dissection.
- Play games on the smart board in the Interactive Room and learn about nature, endangered species, invasive species, and other current biological topics.
- Watch the foster parents interact with foster babies during Orphan season.
- Observe the reptiles in one of four reptile enclosures.
- Commune with nature in our mesquite bosque.
- Attend Wednesday Story Hour.





Previous page:
The Betty and Bert Feingold
Walk-through Aviary

Top (left to right):
Eagle presentation in the
amphitheater

Nina Mason Pulliam
Charitable Trust
touring Liberty Wildlife

Bottom (left to right):
Newly completed reptile
enclosure

NEFR display

Photos by Terry Stevens

Facility Rentals

at 2600 E. Elwood...Liberty Wildlife's Award Winning LEED Building

Are you planning an event and looking for a lovely venue? Talk to Liberty Wildlife to see if our new facility fits your needs. Meetings away from the office or the gathering of groups in a common location, you might find our conference room, large classroom (*pictured below*), or amphitheater is just what you need. Couple our outside event area with the classroom and the amphitheater and you have the perfect area for a wedding, reunion or birthday party. Add wildlife, a wetland, and native plants for a perfect southwest opportunity.

Contact Megan Mosby at megan@libertywildlife.org for details.



The Parkinson wedding held at Liberty Wildlife
Photos by Nat and Jared, @natandjared



Liberty Wildlife Kids

Parenting/Partnering with Nature

by Carol Suits
Volunteer Coordinator



We get it! Parenting today is no easy task. How do you find the time, energy, and resources to provide kids with experiences that will excite their imagination, teach life's lessons, and engage them in the natural world we all live in? How do you find a balance with today's consumption of "screen time" to help build tomorrow's well-balanced adult?

Turns out, it doesn't have to be a big deal! Simple activities with minimal preparations and little if any financial outgo is what we offer here.

Get outside! A single encounter with wildlife and habitat can grow into a love for nature that can last a lifetime. The trick is to incorporate an activity into a routine every day, once a week, or whatever block of time works for you.

"If we want children to flourish, we need to give them time to connect with nature and love the Earth before we ask them to save it."

David Sobel

Start your own "virtual school bus" with your child and other neighborhood kids if possible. Walk part or all the way to school. Even if you have little experience with nature walks, you will be surprised how easy it is!

- Use the senses to focus on what they can hear, smell, feel. Strengthen their observational skills and have them deduct from their experiences to find solutions or solve "problems."
- Put together a list of items to hunt for on the way. This is an easy way to get started. List items to be found using places familiar to you such as the backyard, the park, and the schoolyard. For example: Find something smooth, a spider web, something brown, a leaf, something rough, a place where a bird could hide, a hole in a tree, a mammal. Decide what things are similar and different.
- Listen for the sounds of nature: a bird song, the breeze in the trees, a dog barking, bees buzzing. Could any of these observations in nature be used to solve problems in the world?
- <http://merlin.allaboutbirds.org/>. This app can help you identify birds and their songs. Find other apps for insects or plants. Use a smart phone to take photos, videos of favorite finds or to explore and share later.

Weird but true animal facts kids will love!

Did you know butterflies can “taste” flowers?

https://kids.nationalgeographic.com/videos/weird-but-true-shorts/#butterfly_taste_test.mp4

Did you know geckos have a built-in “windshield” wiper?

https://kids.nationalgeographic.com/videos/weird-but-true-shorts/#gecko_tongue.mp4

Games to entertain and enlighten:

Family strain the brain time with amazing trivia questions about animals and more!

<https://kids.nationalgeographic.com/games/quizzes/amazing-quiz-whiz/>

So what do we recycle?

<https://kids.nationalgeographic.com/games/action/recycle-roundup-new/>

Crafts that are easy and completed in 10 minutes to projects that take a little longer. Something for every age and skill level.

Such as:

Window decorations that makes the glass bird-friendly
<http://www.birdlife.org/worldwide/news/kids-birding>

Make bird kebabs

<https://www.rspb.org.uk/globalassets/downloads/documents/kids-and-schools/make-a-bird-kebab.pdf>

How to make a bird bath

<https://birdlifecyprus.org/news-details/all-about-birds/how-to-make-a-bird-bath>

Make a recycle bird feeder

<https://www.rspb.org.uk/fun-and-learning/for-kids/games-and-activities/activities/make-a-recycled-bird-feeder/>

How to create a compost pile

<https://kids.nationalgeographic.com/explore/books/this-book-stinks/create-compost/>

Top:

Teen Club member holding a bearded dragon

Volunteers presenting Education Ambassadors during Story Time

Bottom:

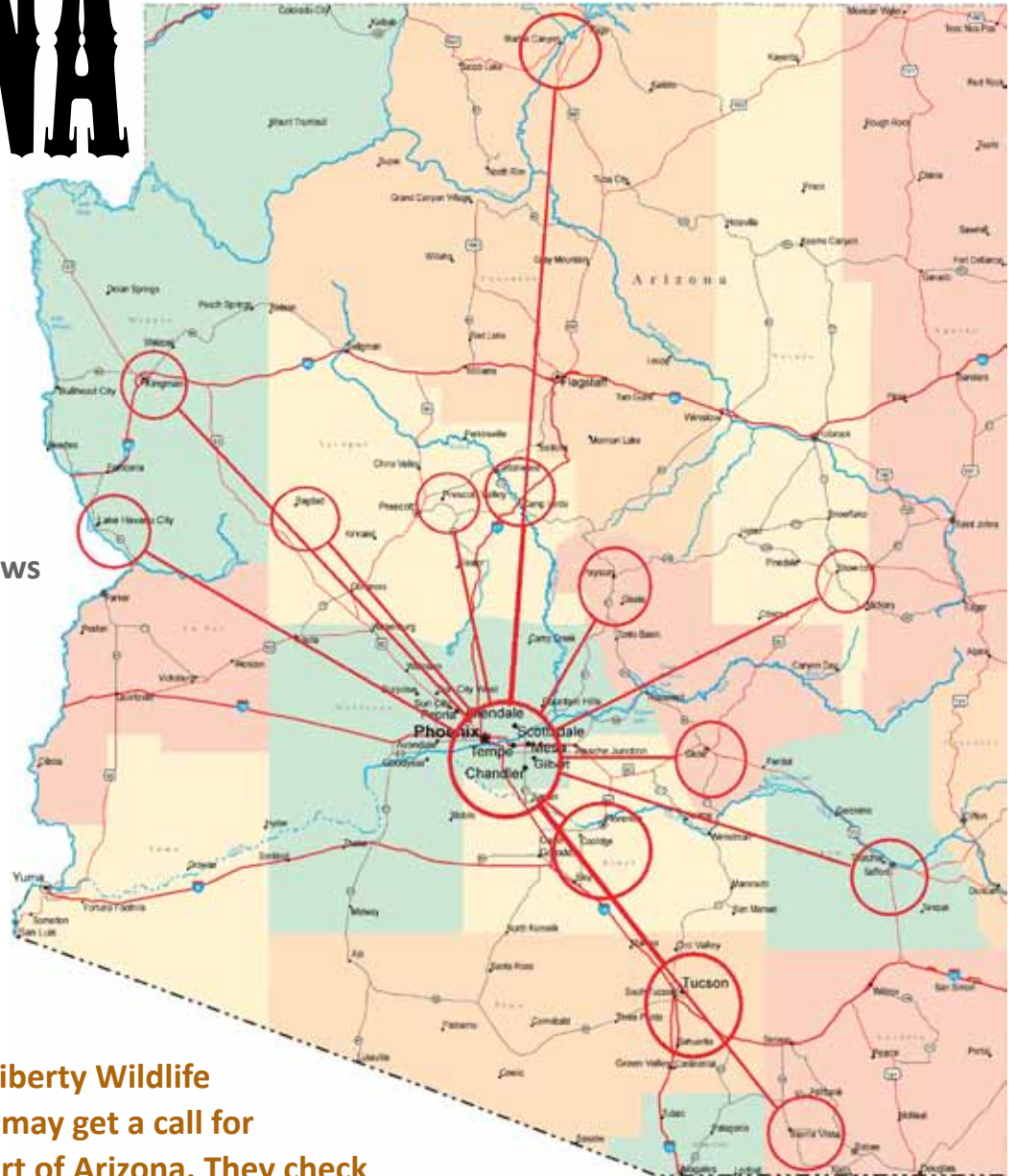
Teen Club members presenting biological artifacts

Dr. Kathy Orr treating a young skunk



ARIZONA

This map shows we will go to great lengths to “nurture the nature of Arizona.”



On any given day Liberty Wildlife hotline volunteers may get a call for help from some part of Arizona. They check their maps whenever a caller mentions an unfamiliar location (Where the heck IS Strawberry, Arizona?) and partner with rescue and transport volunteers to relay detailed information about the caller, animal condition and location to dispatch the rescuer forthwith.

While hotline volunteers reside anywhere from Alaska to Massachusetts, most rescue volunteers live in Phoenix Metro. Practically speaking, this is advantageous since it is people who step up to help wildlife and the bulk of Arizona's population resides in the valley. But given that call from a caring citizen in Kingman, we do whatever is necessary for a successful rescue.

What happens if we don't have a rescuer available to travel great distances? We cobble together a relay of willing folks to

transport the animal part of the way. Our most successful relay happens several times a year from Sierra Vista, via a relay in Marana to Phoenix.

We're looking for more partnerships throughout the state. If you would like to be a relay transport volunteer please email Carol Suits, Liberty Wildlife Volunteer Coordinator at CarolS@libertywildlife.org,

Calling all Volunteers

by Carol Suits, Volunteer Coordinator

From the beginning, Liberty Wildlife volunteers have monitored the hotline, rescued and transported animals, and our daily care and orphan care teams have done the feeding and cleaning. Today all those activities still occur, but now it's a whole lot more! Feeding and cleaning has expanded from birds of all kinds to include bunnies, squirrels and when properly inoculated, other mammals as well.

Photo by Clayton Karas



We've added some new positions!

How about meeting and greeting? We have a new volunteer position called Interpretive Guide. This position is needed when Liberty Wildlife is open to the public. The job involves greeting guests, helping with the gift shop, providing information, monitoring the Children's Interpretive Center and partnering with the Education volunteers (*photo top left*) to provide a pleasant and informative experience for all guests.

And how about greeting and animal intake? Our intake area serves as a gathering place for incoming orphaned, ill or hurt animals. This position, Intake Volunteer, greets the public at our intake window, inputs rescue information and accepts animals for assessment in triage (*photo middle left*).

Or, how about joining the Liberty Wildlife Teen Club?

Newest of the new groups at Liberty Wildlife, the Teen Club is for anyone 13 to 17 years of age wishing to get involved with projects and activities designed to excite and enlighten. (*Photo bottom right: Teen Club lead, Rick Parsons*)

If you're intrigued, curious, and inclined to find out more, visit our website at www.libertywildlife.org. We're always looking for people to help us *nurture the nature of Arizona!*

Photo by Terry Stevens



Photo by Terry Stevens



Above: Summer camp volunteer helping with Camp Liberty Wildlife, providing educational activities for students.

Right: Education volunteers working at the Sippin' the Spirit of the Southwest event.



Photo by Clayton Karas



Photo by Terry Stevens

Education

by Laura Hackett, Education Facilitator

Groot



Liberty Wildlife nurtures the nature of Arizona – feathered, scaled and furred. This year we are excited to welcome our first mammal to the Education Team. Groot the coati (or coatimundi) joined our team in early 2018. Coatis are in the raccoon family and range from Arizona down into South America. Someone in Indiana acquired him as a baby from a breeder. He was confiscated by local authorities since it is illegal in most states, including Indiana and Arizona, to have them as pets. The rescue group that housed him knew of Liberty Wildlife and knew that he would be better housed in weather conditions similar to that of his natural history.

Groot (*pictured above*) is nearly a year old now and has some naughty behaviors that our trainers have been addressing before introducing him completely to the public. But by our next education season, be prepared to see him walking the grounds of Liberty Wildlife on his new harness. We hope to continue training him using his natural behaviors of climbing, digging and sniffing!

Story hour



Our Interpretive Guides are the face of Liberty Wildlife when guests come to visit during our public hours. During the busy season they educate visitors about our history, give them the

lay of the land at our facility and guide them to the various on site activities. But once the heat starts, the number of visitors drops dramatically and it can be terribly quiet for our guides. But that doesn't stop them – Teresa Landers (*pictured bottom left*) took initiative and, using her pre-school and librarian history, created Story Hour over the summer. Aimed at younger children, Teresa chooses a theme each week and picks out books, finger games and a hands-on arts and craft project for the children to enjoy. It has been a huge success and the children love seeing live animals in front of them after they've just heard stories about those creatures. Plus, since we have our large classroom and Interactive Room, it's a great escape from the Arizona heat.

Summer Camp



Part of our grand idea of opening a facility for the public was to also create a space for children to spend their hot Arizona summers. Our newest venture was Liberty Wildlife Summer Camp. It was a week long and we had six participants – at first. It was so successful that by the end of the week, many of the campers had siblings that were dying to join in on the fun. We had three new campers added by the end of that week. (*Intern Ron Turner, with volunteers and campers pictured here.*)

A true testament to camp was on the second day when all the campers asked if we were having another week. We told them this was a trial to see if we should extend it next year and there was an enthusiastic "YES!"

The campers were hands on all over Liberty Wildlife. From feeding baby birds to creating behavioral enrichment for our coati, up close visits with eagles, hawks, owls and falcons, learning about the habitat and environment around them and making new friends at the same time. Not only did they take home many memories, lots of new knowledge and experiences, but also a homemade journal made with recycled material that highlighted each day's activities. We're excited to grow this program for next summer.

Open hours



For over 35 years, valley residents trustfully brought wildlife to our window in North Scottsdale. They knew that we would take the best care of these animals, but sometimes it was hard to not be able to see what went on once the animals were taken from their hands. With our new Rob and Melani Walton Campus of Liberty Wildlife, these nature lovers are finally able to get an insight into what happens behind our hospital doors.

Our public hours, currently three days a week, allow visitors to look through the windows of our triage room and surgery suite (pictured above). One particular day, a group was able to watch one of our fabulous volunteer veterinarians perform surgery on a great horned owl with bullet fragments in its broken wing. While they were watching through the window, our education volunteer Sandi Novak displayed one of our non-releasable birds that is used for educational programs and was able to explain what was going on behind the glass.

Some of our animals are not able to return to the wild due to various injuries or circumstances. In those instances, Liberty Wildlife can obtain a permit to keep them as educational animals. They are then kept on our Interpretive Trail where guests can stroll at their own pace. There they'll come face to beak with bald and golden eagles, hawks, falcons, owls and even songbirds in our walk-thru aviary.

And, it's all orchestrated by our wonderful Interpretive Guides and Education Team members – all volunteers who share the passion of Liberty Wildlife's mission with our guests. We have

a five-star rating on Facebook, Google and Yelp and get myriads of comments saying how much they enjoyed their trip to our facility.

Speaker series



No visit to Liberty Wildlife is ever the same. Different animals are in our triage each time. Education volunteers have a large selection of birds to present on their gloves to our guests. And, this year, we introduced a new series where visitors can sit for an educational lesson on a variety of themes.

We invited guest speakers with a wide range of specialties to come talk to our guests in the Sunday Speaker Series. Included in the series was Kurt Licence (pictured here), a wildlife biologist with Arizona Game & Fish Department who talked about the eagle programs throughout Arizona. Hearing about the studies and research being done about these birds from the actual man who climbs and helicopters into the nests themselves was like no other experience. Lisa Langell is a well known wildlife photographer who truly lives the mission of Liberty Wildlife. She gave a presentation on the basics of wildlife photography – which focused not merely on how to aim and focus, but how to not be invasive and intrusive to the very habitat that you are trying to photograph.

From talks about solitary bees necessary for pollination, hunting strategies of birds of prey and the intricacies of wildlife veterinary practices, guests were delighted to take home stories about the wildlife world around them.

The more our world functions like the natural world, the more likely we are to endure on this home that is ours, but not ours alone.

Janine Benyus

Medical Services



Innovations

Story page 28

1. Preparing a bald eagle for x-rays
2. State-of-the-art surgical equipment
3. The repair (pin) is visible in the x-ray
4. Studying an x-ray
5. Golden eagle wing repair (pins)
6. New digital x-ray equipment



180 foot flight enclosure

This large enclosure (pictured above) is meant to house raptors like eagles, hawks, owls, falcons, condors, and turkey vultures. Also, large water fowl like herons and geese can utilize it for conditioning, proof of ability to get food from the built-in "pond" and to assess readiness for release back into the wild. Along with offering the opportunity to build up flight muscles and condition the lungs for extended flight, the enclosure offers the opportunity for the birds to bank in flight, a critical part of the flight process.

The cage is also currently designed as a research enclosure. In a partnership with Arizona State University School of Engi-

neering, Salt River Project (a local power company) and Liberty Wildlife, a prototype power pole has been installed along with other common power equipment to ascertain exactly what is happening that causes so many electrocution and electric shock injuries to raptors. Cameras are installed to capture the details of the experience of landing, roosting, feeding, and nesting of these large birds. Based on the result of this research, scientists, biologists and engineers will make assumptions leading to development of a final prototype pole.

When the details are learned the power company will be able to determine what changes can be and should be made to

the poles to eliminate the mortality to these protected wild birds.

The Doctors Are In...Our On-Site Veterinarians



Kathy Orr DVM

Dr. Orr is a graduate of UC Davis, California and has over 40 years experience working with animals. She was one of very few veterinarians specializing in exotic animals, particularly birds. Seeing the need for wildlife rehabilitation in Arizona, Dr. Orr founded Liberty Wildlife, using her vast knowledge of many species to incorporate innovative protocols still in use today. Her extensive knowledge is one of the reasons that Liberty Wildlife is one of the only facilities that care for injured California condors.

Stephanie Lamb DVM

Dr. Lamb is one of two board certified avian specialists in Arizona. After graduating from UNLV with a B.S. in biology, she attended veterinary school at the University of Minnesota where she discovered a fondness for wildlife. After finishing veterinary school, she performed a one-year internship in avian and exotic medicine followed by a two-year residency in avian medicine and surgery. She began volunteering with Liberty Wildlife in 2016 and helps with various surgeries, exams, and the care of animals at our facility.



Mike Sorum DVM

Dr. Sorum earned his Doctor of Veterinary Medicine from Kansas State University. He is a board certified equine specialist and focused on treating equine lameness and performance issues in thoroughbred racers. He also advocates for wildlife by participating in organizations whose mission is to make the world better for this valuable and deserving resource. At Liberty Wildlife, he started out on our hotline as a volunteer before making his way to becoming one of our volunteer veterinarians.

Tanya Wyman DVM

Dr. Wyman graduated from Washington State University in 1996. She possesses an exceptional interest in avian medicine and sees quite a variety of birds. Dr. Wyman began volunteering at Liberty Wildlife in 1998 when she had expressed an interest in helping wildlife. She has been volunteering for us almost weekly since then assessing new patients, old patients, conducting surgeries, and assisting during emergencies.



Innovations by Jan Miller, Animal Care Coordinator – continued from page 26

A tremendous addition to our medical team's bag of tricks is our digital x-ray machine (photo #6). Looking back it is hard to believe what we had to do when an x-ray was needed:

- An appointment was made at a veterinary clinic that volunteers time and resources to get the x-ray completed. It was hoped that the appointment would be in the near future so that the injured area did not suffer from waiting too long.
- At that point, the animal was re-boxed, loaded in a car, driven to a clinic where it waited for a veterinarian to look at it. In time, the x-ray was taken and assessments were made. While waiting or perhaps in the middle of performing the x-ray a paying client with any type of emergency or need took precedent over the animal waiting to be x-rayed.
- The animal was then boxed again and driven across town back to the old facility to be treated with the determined protocol.
- Then it often went back the same route to check for success in treatments.
- This still happens for most of other rehabilitation centers.

But, not anymore at Liberty Wildlife! Today, because we have the digital x-ray machine in our hospital, diagnosis, repair, and treatment are immediate:

- If a bone needs pinning...done.
- If lead is found and needs to be removed...done.
- If a hook needs to be removed...done.

Our procedures are so flexible now...no waiting...no boxing...no driving, etc. Time is saved, and there is faster, better treatment for the animals.

Furthermore, if there is a question regarding the repair, diagnosis, or treatment requiring further professional input, the digital image can be emailed to appropriate specialists in the wink of an eye...experts there at your fingertips. The picture itself can be manipulated, enlarged, and investigated in a number of ways that provide the best information possible.

We so appreciate the innovations our hospital affords to the rehabilitation of the animals put in our care.

Orphan Care

Every year Liberty Wildlife cares for over 3,400 orphaned animals. Volunteers spend many hours feeding the young and preparing them to return to the wild. These little ones are high on the cuteness scale, garnering aww's and ooh's from everyone!



Pictured here are a few of the orphans cared for at Liberty Wildlife. Clockwise from top left:

1. mockingbird
2. bobcat
3. Gila woodpecker
4. American kestrels
5. Black-necked stilt



Kitchen Confidential



by Alex Stofko, Daily Care Coordinator

Imagine a kitchen that must meet the needs of over 200 different species. Obviously nutritional needs aren't the same for all creatures. If it was just a matter of throwing a frozen hunk of meat into an enclosure the job would be easy. That is far from the case at Liberty Wildlife. Science is involved. There must be furred and feathered prey items. There must be fish and sometimes shelled food items. There must be insects and there must be seeds and crumbles...just to name a few of the ingredients required to complete the daily menus served up in our own "kitchen confidential."

It became blatantly clear that we needed to think outside the box in setting up our on-site critter restaurant.

To meet these needs, we looked at new or advanced systems and equipment to facilitate our "kitchen" needs. And, in the case of our kitchen, we did a complete 180 degree turn since leaving our home in Scottsdale and moving into our new state-of-the-art facility in south Phoenix.

Now for those of you that weren't fortunate enough to visit us at our Scottsdale location, let me paint you a picture. Our hospital, offices and orphan care room were set up in the workshop on Dr. Orr's property, totaling about 500 square feet. We had around 70 enclosures built on less than an acre of land behind the workshop. All enclosures and shade structures were built with all types of wood; donated, bought and scrap. We had two separate food prep areas, one for education and one for rehab to avoid

cross contamination. These areas were located outside with only fans to help cool the volunteers during the warm summer months. Each prep area was about 30 square feet, with little room for storage or stretching. There was a room within the workshop that housed our stand-alone freezers and refrigerators. We could fit up to seven freezers and two refrigerators in this tiny room. We made do with the space we had and sometimes it was a struggle, but we always moved forward with the animals' welfare in mind.

Then came the move. In our new space, the modular is a detached unit with air-conditioning, two kitchens, multiple storage rooms, two bathrooms, a shower, a 'man cave' tool room, and our very own walk-in freezer. It may not look like a picture out of HGTV magazine, but to us it is a complete renovation. As you walk into the modular, there is a laundry room and a small kitchen for the education side of the facility; around the corner is a larger kitchen for the hospital side of the facility. In between the kitchens is a large walk-in freezer and three stand-alone refrigerators. The inner modular also houses a large dry food storage room (previously we kept everything outside), and a large mouse-house room for raising our own mice and bugs. From the outside of the modular, you can access two more storage rooms, the 'man cave,' a shower, and a washroom for washing large

grates and bins. Did I mention there is A/C throughout the entire modular! That means our volunteers are no longer standing out in the heat preparing food during the warm summer months.

Starting at 6am the modular lights are turned on and the day's work begins. With numerous entrances and exits we avoid any bumps or bruises that might occur with a collision between volunteers. Cabinets are organized and labeled with all supplies easily accessible. Once food prep has been completed, the modular is swept, mopped and cleaned. The stainless steel tables and the clean white floor remind me of restaurant kitchens. Work in the modular flows with purpose, dedication and teamwork from 6am to 6pm, seven days a week, 365 days a year. At the end of the day after everything is cleaned up, the lights are turned off. All that remains is the smell of the cherry enzyme used to clean the floor as the modular waits for its next bustling shift.



Show your Support *for* Liberty Wildlife

Over 75% of our annual budget depends upon individual contributors

by Chris Sar

Add Liberty Wildlife to Your "Life List"

Many Liberty Wildlife supporters are birders who keep life lists of all their sightings. Some are just a bit more eccentric than others, like Vivian Forde. Vivian passed away this spring, but I want to share some things that make her special to us.

You see, Vivian was a renaissance woman who loved astronomy, the cinema, music, literature, sports, her beloved San Francisco Giants – and Elvis, whom she was convinced still lives. Each Halloween, she would dress as a cow, complete with ears and udders, and head into her office in the Bay area, and then carry on like it was any other business day. Vivian was one of a kind. But in some ways, she was also just like you, and me. She loved wildlife and animal rescue groups.

And Vivian did what many Liberty Wildlife supporters do, she made a commitment to Liberty Wildlife in her will, a commitment that will help ensure wildlife is protected for years to come. It is one way that Vivian's legacy will continue to soar, like the wings of an eagle.

You can make a commitment like Vivian's, too. It's easy to do, and any gift through your will or estate plan qualifies you as a ***Wings of an Eagle*** Legacy member.

As a 501(c)3 non-profit organization, Liberty Wildlife receives its most important support from individuals. And the ***Wings of an Eagle*** fund is an easy way to support native wildlife, while costing you nothing today! Simply add Liberty Wildlife (Tax ID 94-2738161) as a beneficiary of either a dollar or percentage amount in your will, trust, insurance plan, or other account. In many cases

this can be done in an online form, or with a single sentence added to your will or account.

Donors who add Liberty Wildlife to their "life list" are recognized as ***Wings of an Eagle*** members in our donor honor roll, in annual publications and on our donor board. They receive special invitations to events at Liberty Wildlife, an invitation to an annual reception at the Rob & Melani Walton Campus of Liberty Wildlife, and get the good feeling of knowing they've done all they can for the wildlife of Arizona and the Southwest.

And we will also remember their unique quirks, like dressing as a cow on Halloween. Rest in peace, Vivian. And thank you!

Become a Sponsor of Liberty Wildlife

Annual sponsorship at Liberty Wildlife not only gains you admission throughout the year, it also sustains the vital rehabilitation, education, and conservation work that Liberty Wildlife conducts every day.

The dozens of animal ambassadors that you are able to visit at Liberty Wildlife are representatives of the great care that thousands more birds, mammals, reptiles and amphibians receive when they are brought to our doors sick or injured. On average Liberty Wildlife takes in over 21 animals each day. And during the busy spring and summer months it is often more than triple that number!

Your support cares for these animals as they receive emergency care, surgeries, and intensive long-term rehabilitation care. This is only possible with your support.

An easy way to show that support is through your annual sponsorship. Starting at just \$25 per person, each level of sponsorship has its privileges:

- Admission during open hours throughout the year
- Invitations to special events at Liberty Wildlife
- Previews of new exhibits and programs
- Discounts on education work shops
- And more...

For information on becoming a sponsor, contact Liberty Wildlife today, at 480-998-5247 or <http://libertywildlife.org/how-to-help/donate/>.

Help Liberty Wildlife Stretch Our Wings

For over 37 years Liberty Wildlife has been a leader in rescuing and rehabilitating wildlife. Every day we leverage a vast team of dedicated volunteers to share this important message with our community. Now, in our new state-of-the-art facility we are poised to take this message beyond the boundaries of our facility. We are ready to share our hopeful message with the world.

There are many opportunities to expand our educational messages of environmental awareness and sustainability, and to add some additional enclosures and flight cages for the incredible volumes of animals brought to us for rehabilitation. This growth costs money – for supplies, for staff and for care of the animals we treat and rehabilitate.

Contact Liberty Wildlife if you would like more information on how you can help expand our campus and our educational offerings.

*P*retty much everything about this year's annual fundraiser is new and different. It is our 25th annual event, and it seems like the perfect time for a change. Meet Wishes for Wildlife Redux, the sequel.



The first big change is the time of year. We have previously grabbed the first weekend in May for our ballroom-type seated dinner and auction. This year will show off our new facility as we host the event here at the Rob and Melani Walton Campus of Liberty Wildlife, 2600 E. Elwood St., Phoenix. We are very excited to strut our stuff on October 20, 2018 under the stars and the eyes of the owls.

There will still be some auction action...our famous baskets in particular will be a repeat. Our Garden and Patio items will be straight for sale...no bidding necessary. There will be interactive activities that will allow you to lay your hands on some great trips, activities, and dining, but you will have to wait to see how fun that will be!

Cocktails will find you milling about with raptors such as eagles, owls, hawks, falcons, and ravens. The dining will be

different, with food stations plus passed plates of delectables and desserts to dream of. Don't fret about waiting in line... you won't. Shake it up, move around, but use your table as a springboard for interacting, mixing, and seeing friends. Thank M Catering for the innovative and delicious dining.

Of course, there will be animals and some fun new creatures to meet that will be introduced to you that night. You will want to be among the first to see them. Speaking rock star, Chris Parish from the Peregrine Fund, will grab your interest for a short program, an auction, and release of a rehabilitated raptor will seal the deal.

Seating will be limited so don't delay in getting your table or ticket right away. For more information go to www.libertywildlife.org.

Wish List:

- Shade sails for Interpretive Trail
- Laptop computers
- Microscopes for Children's Interactive Room
- Telemetry system for flighted birds
- Hardware cloth
- Lumber/enclosure building materials
- Small freezer
- Indoor/outdoor swamp coolers
- Storage units
- Sound system for Interactive Room
- Recording system for Interactive Room
- Cushions for Amphitheater

Juvenile western screech owl
Photo by Morry Marshall





Liberty Wildlife, Inc.
2600 E. Elwood Street
Phoenix, AZ 85040
Wildlife Hotline (480) 998-5550
Visit us online at www.libertywildlife.org



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As part of our ongoing commitment to the community, SRP is proud to provide the printing for Liberty Wildlife's WingBeats magazine.



Join or renew!

It is with your help that Liberty Wildlife has furthered wildlife conservation through quality rehabilitation, education, and consultation services. Because of your support and your interest in aiding wildlife, we hope that we can count on you to help us continue these programs.

Maybe it's a good time to add a gift membership for a friend – or maybe raise your own membership level.

All members will receive the *WingBeats* newsletter electronically.

Mail the completed form and your donation to:
Liberty Wildlife, Inc.
2600 E. Elwood Street
Phoenix, AZ 85040

You can also join or renew online at www.libertywildlife.org

Annual Support Levels

- ☐ \$25 Fledgling
Supports the Orphan Care program
- ☐ \$50 Explorer
Provides funding for a youth in a school education program
- ☐ \$100 Guardian
Provides funding to support conservation programs
- ☐ \$250 Naturalist
Provides funding for medical supplies for wildlife in our care
- ☐ \$500 Conservationist
Provides funding for major equipment, such as brooders
- ☐ \$1,000 Steward
Provides funding for technology to aid Medical Services and Education programming

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Annual Report 2017

Liberty  Wildlife

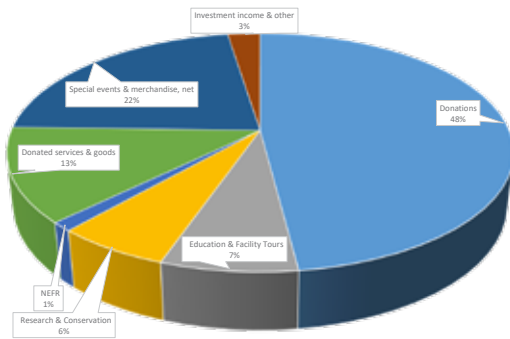


Bufflehead duck – photo by Christie Van Cleve

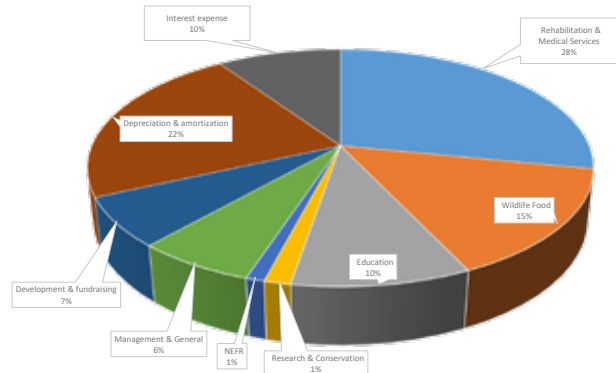
Liberty Wildlife Statement of Activity

FOR THE YEAR ENDING DECEMBER 31, 2017

2017 Operating Income



2017 Operating Expenses



Operating Income:

Donations	\$ 404,654
Program services:	
Education & Facility Tours	62,063
Research & Conservation	52,054
NEFR	10,000
Donated services and goods	107,415
Special events and merchandise (net)	186,298
Investment income & other	20,859

Total Operating Income: \$ 843,373

Operating Expenses:

Program services:	
Rehabilitation and Medical Services	\$ 282,647
Research and Conservation	14,366
Community education	96,798
NEFR	10,088
Management and General	64,729
Development and Fundraising	67,000

Operating Expenses

before depreciation and interest expense: \$ 684,941

Operating income before depreciation and interest expense: \$ 158,432

Depreciation and amortization \$ 224,678

Interest expense \$ 95,239

Net operating loss \$(161,486)

Capital Campaign

Donations: \$ 2,500

Change in net assets \$(158,986)

Liberty Wildlife Goes Grocery Shopping for Animal Food

Crumble	1,880 lbs
Scratch	1,000 lbs
Seed	1,755 lbs
Worms	159,350
Crickets	115,000
Mice	169,775
Rats	10,561
Rabbits	110
Quail	5,280
Chickens	2,898
Carnivore diet	91 lbs
Trout/Capelin	1,376 lbs
Minnows	24,000
Fruits and vegetables	1,359 lbs
Eggs	2,478
Exact tube formula	111 lbs
Heads of lettuce	779
Cat and dog Food	348 lbs

"Listen to the voice of nature, for it holds treasures for you."

Native American (Huron) Proverb

Statistics for 2017

Number of animals assisted	7,960
Number of species	208
Highest intake month – May	1,827
Education programs	987
Private Tours	32
School field trips	17
Facility rentals	17
Media events	19

Number of
Volunteers

Rehabilitation Services

Cooperating veterinarians	8
Certified veterinarian technicians	6
Medical	34
Daily Care	113
Orphan Care	92
Intake Window	22

Education Services

Education	53
Hand feed	24
Interpretive Guides	12

Support Services

Hotline	40
Rescue & Transport	123
Non-Eagle Feather Repository	1
Publications	7
Wildlife Guardians	20
Board of Directors	15
Advisory Board of Directors	17
Scientific Advisory Board	3

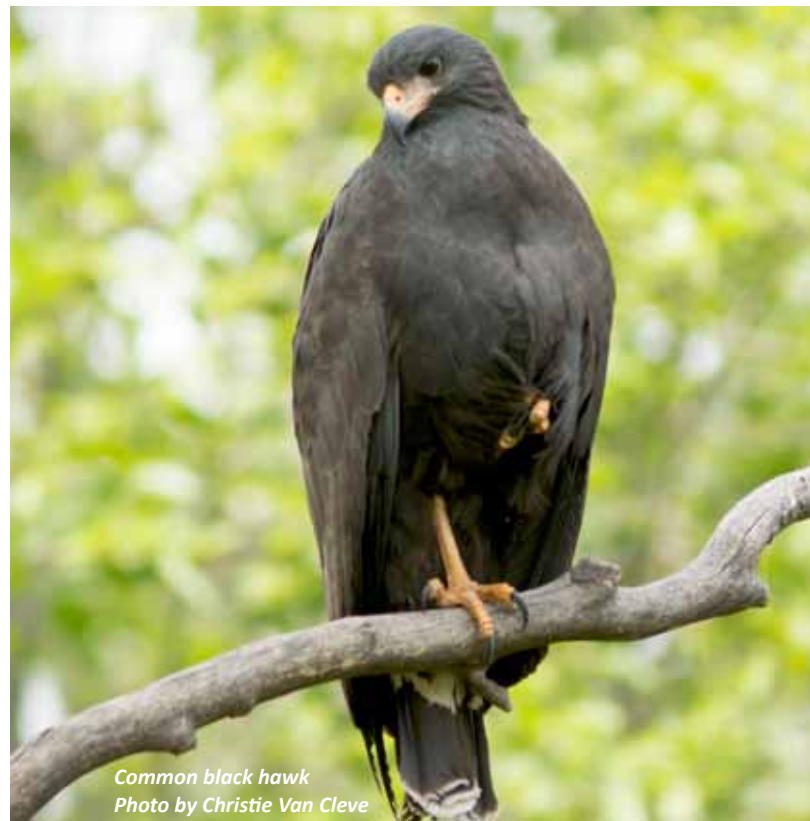
Events

Wishes for Wildlife	56
Baby Bird Shower	3
Picnic	6
Sippin' the Spirit of the Southwest	6
Wedding	6
Veterinarian meeting	4
Garden Club	6
Vet Tech School field trip	8
School field trips	12

Total Jobs	655
Total Support hours	6,795
* Badge in hours	61,250
Total hours	68,045
Total hours x \$24.69 per hour	\$1,680,031

Conservatively, the value of volunteer time donated:
\$1,680,031* (68,045 hours of volunteer time x \$24.69 per hour)

**Based on documented volunteer hours and figures
from Independent Sector research.*



*Common black hawk
Photo by Christie Van Cleve*

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2017 Intake Species List:

202 SPECIES WERE TREATED AT LIBERTY WILDLIFE

Abert's towhee
African grey parrot
African sulcata tortoise
American bittern
American coot
American crow
American kestrel
American robin
American widgeon
Anna's hummingbird
ash-throated flycatcher
bald eagle
barn owl
bearded dragon
Bewick's wren
big brown bat
black-crowned night heron
black-necked stilt
black phoebe
black vulture
bobcat
bobwhite quail
Brewer's sparrow
bronzed cowbird
brown pelican
brown-headed cowbird
bufflehead duck
Bullock's oriole
burrowing owl
cactus mouse
cactus wren
California condor
Canada goose
canary
canvasback
cattle egret
Cayuga duck
chicken
Chinese goose
cliff chipmunk
cliff swallow
collared dove

collared lizard
common king snake
common loon
common nighthawk
common poorwill
common raven
Cooper's hawk
Costa's hummingbird
cottontail rabbit
crissal thrasher
curve-billed thrasher
dark-eyed junco
desert tortoise
domestic duck
domestic quail
domestic goose
domestic rabbit
domestic rat
double-crested cormorant
eared grebe
earless lizard
elf owl
Embden goose
fancy pigeon
flamulated owl
freetail bat
Gambel's quail
Gila monster
Gila woodpecker
gilded flicker
golden eagle
gopher
gopher snake
gray fox
gray hawk
great blue heron
great egret
great horned owl
greater roadrunner
great-tailed grackle
green heron
green-tailed towhee

guinea fowl
Gunnison's prairie dog
Harris' hawk
hermit thrush
hoary bat
house finch
house gecko
house mouse
house sparrow
house wren
ibis
Inca dove
Indian runner duck
jackrabbit
javalina
killdeer
lady gouldian finch
lark sparrow
least bittern
leopard gecko
lesser goldfinch
little brown bat
loggerhead shrike
long-nosed snake
lovebird
MacGillivray's warbler
mallard duck
Mediterranean gecko
merlin
Mexican freetail bat
monk parakeet
mountain blue bird
mourning dove
muscovy duck
mutt mallard
neotropic cormorant
night hawk
North American porcupine
northern cardinal
northern flicker
northern mockingbird
northern pygmy owl
northern saw-whet owl
northern flicker
orange-crowned warbler
ornate box turtle
osprey
Pacific loon
packrat
parakeet
peach-faced lovebird
pekin duck
Peregrine falcon
phainopepla
pied-bill grebe
prairie falcon
raccoon
rat
red-eared slider
red-legged partridge
red-naped sapsucker

red-shafted northern flicker
red-tailed hawk
red racer snake
red-winged blackbird
Reeves's pheasant
rock dove (pigeon)
rock squirrel
rock wren
roof rat
round-tailed ground squirrel
ruddy duck
rufous hummingbird
Say's phoebe
scrub jay
sharp-shinned hawk
smooth softshell turtle
snowy egret
Sonoran desert toad
sora rail
spade foot toad
spiny lizard
spotted skunk
spotted bat
starling
striped skunk
sulcata tortoise
Swainson's hawk
Swainson's thrush
Townsend's warbler
turkey
turkey vulture
verdin
violet-green swallow
vireo
Virginia opossum
Virginia rail
western blue jay
western grebe
western kingbird
western pipistrelle bat
western screech owl
western tanager
white dove
white pelican
white-cheeked turaco
white-crowned sparrow
white-throated swift
white-winged dove
widgeon
Wilson's warbler
wood duck
yellow bat
yellow-breasted chat
yellow-rumped warbler
yellow-throated warbler
zebra finch
zone-tailed hawk



Burrowing owl - photo by Matt VanWallene



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 Davis, Roxanne
 Davis, Ted
 Davis, Tracy
 Davison, Brandon
 Day, Amy
 Dayhoff, Shelley Ann
 Dean, Bruce
 Dean, J.T.
 Debiuka, Steve & Kim
 Debus, Larry & Barbara
 DeChevrieux, Beverly
 Decker, Erica
 Decker, Renee
 Dedolph, Zaida
 DeHaven, Jeff & Stephanie
 Deilder, Lori
 Delaney, Tim
 Delbre, Justin
 Delgado, Ruberta
 Delugt, Cathy
 DeMarco, Valerie
 Demetros, V.
 Demonte, Diane
 Dempsey, Charles
 Deppen, David
 Derr, Sheri
 Deschamps, Amy
 Desert Palm Church
 Desert Shadows Elementary
 Desloriers, Brittney
 Desloriers, Gina
 Devanna, Nancy
 Devera, Frederick
 Devich, Stephanie
 Deward, Megan
 Deyerle, Kris
 Dhondt, Eileen
 Dhuse, Judy
 Dicke, Frederick & Nancy
 Dickey, Amy
 Dickson, Suzanne
 Diede, Norm & Lyla
 Dietz, Jonnelle
 Diffine, Elizabeth



Gray hawk – photo by Christie Van Cleve

Dinehdeal, Barbara
 Dinowitz, Alyassa
 Dinsmore, Brittney
 Discovery Profiling Inc.
 Djengue, Cynthia
 Dobel, Susanne
 Dodge, Vallie
 Doells, Kimberly
 Doering, Klaus
 Domokos, Marilyn
 Donaldson, Casey
 Donaldson, Kevin
 Donelson, Larry
 Dons of Arizona
 Doomalty, Klaus
 Doombos, JoEllen
 Doppke, Annette
 Dorame, Samuel
 Dorrance Family Foundation
 Doty, Angie
 Dougherty, Bernard & Carol
 Douglas, Carolyn
 Douglas, Jennifer
 Douglass, Bedford
 Douhawd, Beverly
 Douthit, James
 Dowski, Jenna
 Drake, Jackie
 Drew, Pegg
 Driscoll, Adeline
 Drozda, Theresa
 Drumm-Ramirez, Deborah
 Duerbeck, Marilyn
 Dugway-Esnil, Michele
 Duhome, Janice
 Dunford, Gary
 Dunford, Mary Ann
 Dunn, Diana
 Dunn, Jason
 DuPont, Kristi
 Duran, Laura
 Durning, Ann

Durso, Joe
 Eastmoore, Norma
 Eaton, Hamilton
 Eccles, Diane
 Edd, Gary
 Edington, Kimberli
 Edman, Steven
 Edwards, Matthew & Jessica
 Edwards, Kathy
 Eeds, Sandy
 EFAZ
 Egdorf, Steve
 Eichten, Robin
 Eigenmann, Melinda
 Eisendrath, Patience
 Elam, Laurie
 Elan, Veeja
 Elery & Hazel Meyer
 Charitable Fund
 Ellie and Les Hayt Family
 Foundation
 Elliott, Sabina
 Elliott, Taylor
 Ellsworth, Morgan
 Elm, Laurie
 Emerson Elementary
 Emme, Kelly
 Emminger, Lisa
 Eneddel, Lavez
 Enevoldsen, Laura
 England, Mike & Rejeanna
 Engle, Amy
 Englehart, Gary
 Ensminger, Emily
 Entz, Gee Gee
 Ericson, Cecelia
 Erman, Rick
 Erogekings, Savannah
 Eroll, Dennis
 Erramuzpe, Catherine
 Erwin, Joshua
 Escalona, Susan



Anna's hummingbird – photo by Morry Marshall

Eschbacher, Jenny
 Espinoza, January
 Estate of Donna Jabara
 Estrada, Kayla
 Esty, Jill
 Evans, Steve & Ardie
 Evenson, Dianne
 Experience Matters
 Eye Care for Animals
 Fagan, Janet
 Fairbanks, Jessica
 Fais, Michael & Laura
 Faith Amadori Living Trust
 Falex, Collin
 Falise, Deanne
 Far, Leigh
 Farley, Nicole
 Farmer, Suzanne
 Farnham, Kerry
 Faron, Sharon
 Farr, Erin
 Farr, Leigh
 Farr, Mitch & Carol
 Faur, Peter
 Fausen, David
 Fawns, MaryBeth
 Feder, Bruce
 Feingold, Bert & Betty
 Felder, Melissa
 Felty, Kevin
 Fenster, Carol
 Fentem, Lori
 Ferazzi, Barbara
 Ferazzi, James
 Ferguson, Jocelyn
 Ferguson, Suzan
 Feriol, Victoria
 Ferrer, Jose & Pirehpour, Megan
 Ferullo, Karen
 Fidelity Charitable
 Fields, Susannah
 Finch, Liz
 Finke, Marie
 Firestine, Allison
 Fischer, Ted
 Fischler, Lory A.
 Fisher, Karissa
 Fisher, Molly
 Fitzmaurice, Michael

Fitzpatrick, John
 Fixman Bricker, Sharon
 Flader, Lisa
 Flanagan, Gary
 Flener, Kristina
 Fletcher, Janet
 Flora, Janelle
 Flores, Chris
 Flynn, J.
 Flynn, Laura
 Fochler, Werner
 Foley, Chloe
 Forde, Vivan Leigh
 Forestier, Renee
 Forney, Gary
 Forsman, Karel
 Forster, Toni
 Foster, Ann
 Foster, Janee
 Fourie, Wilma
 Fox, Ed & Adams, Lynda
 Fox, Mary Alice
 Fox, Mildred L.
 Fox, Pamela
 Fox, Sarah
 Francis, Jennifer
 Francis, Shan
 Franco, Antonio
 Franklin, Kimberly
 Franks, Pamela
 Franz, Jason
 Fraser, Eric
 Fraser, Steve
 Fray, Linley
 Frede, Harold
 Freeport-McMoRan
 Fremont, Ted
 Freshwater, Diana
 Freund, Robert
 Fritsch, Richard
 Frye, Dick & Daniel, Anna
 Fucik, Margaret
 Fuller, Jennifer
 Fulton, Harmony
 Furrow, Art
 Furstenberg, Carol
 Gade, Shari
 Gain-Braley, Deb
 Gainey, Jarred W.

Gaintner, Nancy
 Gajeski, Thomas
 Galbreath, Kenneth
 Galen, Pat
 Gallagher, Michele
 Galvez, Julio
 Gambino, Kari
 Gamble, Sandra
 Gao, Sisi
 Gaona, Carol
 Garay, Amanda
 Garay, Elizabeth
 Garbaciak, John
 Garber, Barbara
 Garcia, Erica
 Garcia, Jake
 Garcia, George & Jill
 Garcia, Josh
 Garcia, Renee
 Garnes, Sharon
 Garwood, Kathy
 Gary, Carol
 Garza, Melissa
 Gass, Katherine
 Gass, Nate
 Gatley, William
 Gaul, Ayca
 Gayford, Randy
 Gee, Donald & Elizabeth
 Geithner, Elise
 Generation III Dental
 Genesee Construction
 Gentle Rev Family Trust
 German, Tami
 Gersick, Rosemary
 Gerwitz, Lee
 Getson, Leigh
 Getz, Lynn
 Ghosh, Sambuddha
 Gialamas-Bull, Gina
 Gianas, Philip
 Giard, Nicole
 Giarrisi, Gabi
 Gibson, Sidney
 Gilbert, Anne
 Gilbert, Natalie
 Gilcrest, Terry
 Gill, Hector
 Gillis, Janiece
 Gillmer, Deborah
 Girl Scout Troop 2158
 Giunta, Gail
 Glicksman, Dan
 Globe Corporation
 Glover, Dawn
 Gnant, Chad & Lindsay
 Godele, Sue
 Goedert, Thomas
 Gold, Eric
 Goldansky, Robin
 Goldberg, Daniel
 Goldberg, Jennifer
 Goldmann, Geri
 Goldstein, Ben & Nadia
 Gomez, Jennifer
 Gomez, Kris
 Gongora, Ruby

Gonsalves, Amanda
 Gonzales, Isaac
 Gonzalez, Ismael
 Gonzalez, Lidia
 Goodell, Gretchen
 Gordon, Beatrice
 Gorr, Linda
 Gort, Christian
 Gort, Chris & Cindy
 Goto, Darlene
 Gotsis, George & Phyllis
 Grace, Gwen
 Grace, Michelle
 Gradvic, Manuela
 Gragg, Judy
 Graham, Tia
 Grajales, Elizabeth
 Granberry, Rod & Victoria
 Grand Total
 Grant, Annette
 Grass, Anne
 Grayson, Julia
 Great Home Inspections
 Greco, Cindy
 Green, Charles
 Green, Laura
 Green, Lauri
 Green, Patrick
 Greene, Danielle
 Greenwade, Molly
 Greenwald, Leselyn
 Greenwell, Wyatt
 Greger, Muffie
 Gregor, Debbie
 Gregory, Juliana
 Gretchen H. Roubeck Rev
 Living Trust
 Gribshaw, Vallorie
 Grier, Ruth
 Griffin, Dallar
 Griffith, Victoria
 Grimaldi, Brian & Nina
 Grissom, L.
 Groenbeck, Tina
 Gruberman, Joe
 Grubestic, Tony
 Guerra, Minerva
 Guetti, Carol Anne
 Guevara, Angelica
 Gulinson, Melissa
 Gullet, Wes & Deb
 Gunning, Larry & Penny
 Gurzen, Lani
 Gust, John
 Gustafson, David
 Guston, David
 Gutton, Elizabeth
 Guyett, Michelle
 Guzek, Kim
 Hackett, Carol
 Haddad, Nadim
 Hagar, Laura
 Hageman, Devon
 Hagen, Lisa
 Hagen, Marcy
 Hair, Laura
 Hall, Brian & Carrie

Hall, Don & Pat	Herrara, Aracely	Hudson Five Design Studio	Jienpradit, Paradai
Hall, Logan	Hershberg, Jacob	Hudson, Shirley	Jodra, Michael
Hamilton, Susan	Hert, Kaye	Huentz, Reggie & Diane	Johnson, Carla
Hamlin, Amanda	Hesse, Jon & Beth	Hughes, Ellen	Johnson, Christopher
Hammer, Peter	Heum, Becky	Hughes, Gail	Johnson, David
Hammond, Gary & Lesley	Higgins, Nancy	Hulburd, Carrie	Johnson, Diondre
Hamnett, Jeff	Hileman, Carol	Hulvey, Lynn	Johnson, Donna
Hampton, Dustin	Hilgart, Robin	Humeche, Mary	Johnson, Steve & Donna
Hanley, Nancy R.	Hill, Annette	Hunsberger, Deborah	Johnson, Eric
Hanley, Sharon	Hill, Brent	Hunt, D.A.	Johnson, January
Hansel, Patsy	Hill, Doug & Kirsten	Hunter, Dick K.	Johnson, Jennie
Hanson, Timothy	Hill, Paula	Hurd, Sherry	Johnson, Josephine
Hanumic, Svetlana	Hills, Michael	Hurd, Stanley	Johnson, Justin
Harbin, Brandon	Hillstrom, Tina	Hurd, Stephanie	Johnson, Karen
Hardin, Mark & Elizabeth	Hilton, Corey	Hurley, Marian E.	Johnson, Kim
Hardison, Joan	Hines, Isabel	Hurt, Dawn	Johnson, Marilyn
Harmon, Kristine	Hines, Janelle	Husalka, Ivan	Johnson, Nora
Harper, Chris	Hinkle, Melissa	Husband, Chantelle	Johnson, Sabine
Harper, Madylon	Hirabayashi, Amy	Huska, Ivett	Johnson, Sheryl
Harper, Ollie & Sharon	Hirevla, Henry	Hutchins, Lisa	Johnston, Adriana
Harrington, Tracy	Hirleman, Natalie	Hutton, Brenda	Johnston, Jina
Harris, Cornelia	Hirsch, Derek	Huyge, Judy	Johnston, Joe
Harris, Holly	Hitchins, Kathy	Hyatt Regency of Scottsdale	Johs, Linda
Harris, Robin	Ho, Jennifer	Hyndman, Ellen	Jones, Jerri
Harrison, Wendy	Hobbs Family Charitable Fund	Ichelson, Chris	Jones, Julie A.
Hart, Iris	Hockenbury, Jim & Mary	Ignacio, Alma	Jones, Laura
Hassinger, Roger	Hocking, Mike	Ingels, Emily	Jones, Sheri
Hauswirth, Doug	Hodgman, Rhonda	Inglish, Timothy & Connie	Jordan, Alisyn
Haven Charitable Foundation	Hodson, Brian	Ingram, Dr. Irv	Jordan, Callie
Hawes, Christine	Hoff, Brian	Irby, Douglas	Jordan, Cindy
Hawgood, William	Hoff, Cathy	Irving, Laura	Jordan, Leilani
Hawkins, Barbara	Hoffheins, Julie	Isey, Amy	Jorden, Syndy
Haworth, Kylie	Hoh, Eric	Itchell, Connie	Josephson, Brittney
Hayes, Jeremy	Holbrook, David	Iungerich, Jack & Mary	Joshua, Rodney
Hayes, John	Holden, Ryan	Ivester, Hannah	Jossick, Ashley
Hayes, Lisa	Holder, Bob	Izumi, Paul	Joubert, Jennifer
Hayslip, Richard & Joann	Holland, Robert	Jackson, Cindy	Joyner, Mark
Heaberlin-Scholer, Julie	Holloway, Deborah	Jackson, Tiauna	JP Morgan Chase Employee
Healey, Vicky	Holly, Blakely	Jacoba, Danielle	Giving
Healy, Laura	Holmberg, Cory	Jacobi, Jill	Juarez, Nellie
Heartford, Patty	Holscher, Heather	Jacobs, Jeff	Kaercher, Sten
Hecomovich, Sandra	Holt, Merry	Jacobsen, Tuk & Kimberly	Kahl, Jeri
Hedberg, Janet	Homes, Judith	Jacobsen, Victoria	Kalm Charitable Lead Trust
Heimer, Jeffrey	Honeywell International	Jacobson, Bram	Kap, Natalie
Heine, Meagan	Charity Matching	Jacobson, Helene	Kaplan, Lucy
Heiser, Dakota	Honzo, Caroline	Jacobson, Kim	Kasdan, Mark
Heitland, Greg & Doreen	Hoogenboom, Ronald	Jacquezs, Raoul	Kasel, Alice
Hejna, Manuela	Hoover, Harold	Jaffe, Ilona	Kaufman, Derek
Hellems, Sandra	Hopkins, Sandy	Jaffee, Flora	Kaufman, Ian
Helman, Terri	Hoppes, Christina	James, Steven	Kavathas, Pamela
Helmick, Kimberly	Horack, Kimberly	James, Tiffany	Kavokjian, Peggy
Henderson, Erin	Hornback, Lana	James, Wanda	& Nora, David
Henderson, Jim	Horner, William	Janman, Jaime	Kearney, Jeanette
Henderson, Mark	House, Trisha	Jannen, Katherine	Keery, Katie
Henderson, Charlie & Martha	Houseworth, Richard	Jarman, Rebecca	Kell, David
Henry, Denise	Howard, Brenda	Jarrette, Jordan	Kell, Larry
Henry, Jennifer	Howard, Wayne & Lucia	Jaworski Trust	Keller, Jessica
Henry, Samantha	Howard, Sandra	Jayroe, Walter	Kelley, Wanda
Hensley Beverage Company	Howard, Susan	JD Medical	Kellogg, Cal
Henze, Tom & Kathleen	Howlett, C.A. & Nan	Jedlicka, Shelley	Kelly, John
Herbert, Jordan	Howls, Brennan	Jefferys, Lisa	Kelly, Judy
Hermosillo, Julia	Hoyt, Karen	Jeffrey, John	Kelly, Stephanie
Hernandez, Jo Anna	Hrehovcik, Michael	Jensen, Jenna	Kelsey, David
Hernandez, Norma	Hsu, Selene	Jensen, Justin	Kennedy, Cheri
Hernandez, Paige	Huang, Francine	Jensen, Lisa	Kenny, Cynthia
Hernandez, Yudi	Hubble, Bill & Char	Jeurink, Vera	Kent, D.
Heron, Veronica	Hudock, John	Jewell, Dan	Keny, Sameer

Kerney, Jeanette	Kryder, Carolyn	Lewis, Ed & Harris, Kathy	Malaika, Roemer
Kershaw, Ronald & Margaret	Kucharo, John & Susan	Lewis, Indie	Maltman, Kathie
Kersten, Nancy	Kuchipudi, Karine	Lewis, Kathleen	Manal, Ahmed
Kessel, Melissa	Kulawiak, Lisa	Lewis, Kristin	Manfredi, Tony
Ketterlin, Shelley	Kumiega, Vicky	Lewis, Thomas & Janet	Mangiapene, Kristine
Keys, Kelly	Kunse, Austin K.	Liani, Roma	Mangipane, Kris
Khalil, Lisa	Kuplin, Robert & Shawn	Lichman, Toni	Mannoia, Richard
Khalsa, Kewal	Kuta, Helena	Lieber, Lysbeth	Manov, Lidia
Khalsa, Satsiri	Kwak, Andrew	Limbert, Lisa	Marebella, Donna
Khare, Swati	Kwapich, Christina	Lindstrom, Susan	Margalis, Anthony Jr.
Kidd, Peter	La Mar, Alex	Linn, Erica	Marine, Amanda
Kiefquer, Lindsay	LaBate, Pamela	Linnerson, Monica	Markow Family Foundation
Kiese, Bobbi	Laczko Kerr, Ildiko	Linton, Marigold	Markow, Eric
Kimble, Cheryl	Ladick, Gina	Lipsky, Dr. Steven & Janet	Marlette, Nancy
Kimmel, Sherry	Ladner, Anne	Lisicki, Purity	Marley Foundation
Kincaid, Cindi	Laliberte, Nadya	Litt, Kirstin	Marsten, Mona
King, Beverly	Lamb, Dr. Stephanie	Little, Jackie	Martella, Tanya
King, Dori	Lance, Gina	Livingston, Damaris	Martin, Alisa
King, Jessica	Landis, Donna	Lobosco, Emil	Martin, Julie
Kingery, Carlene	Landry, Kimberli	Lockwood, Kristin	Martinez, Grecia
Kiplin, Shawn	Lane, Carolyn	Lockwood, Noah	Martinez, Greg
Kirby, Pam	Lang, Cody J	Lodson, Dee	Martinez, Jazmine
Kirek, Michael	Lang, H. C.	Lomeli, Irene	Martinez, Jose
Kirkman, R.	Lang, Tom & Kaitlin	Lonetti, Dan	Martinez, Jyna
Kirkpatrick, Christopher	Lang, Sarah	Longbrake, Gloria	Martinez, Meghan
Kirscher, Claudia	Lang, Vern	Loomer, Michael	Martini, Laura
Kitchen, Kelli	Langdeau, Christy	Lopez, Berkley	Martinson, John
Kitchwer, Russell	Langston, Ryan	Lopez, Javier	Martry, L.
Kiva Elementary	Lankin, Brittney	Lopez, Rosemarie	Martyn, Heidi
Klatzkin, Howard	Lantz, Robert	Lopez, Sujey	Marucci, Paul
Klawiter, Michelle	Lanzon, Brittany	Lorenz, Eric	Masavage, Walter
Kleemola, Edward	Lara-Carlisle, Christina	Lorimor, Kat	Mascia, Mark
Klingensmith, Dave	Larkin, David	Loudy, Char	Mason, Michele
Kludys, Raymond	Larsen, Eric & Deborah	Love, Lynne K	Mason, Michelle
Klupar, Shelly	Larsen, Jillian	Lovett, Michael & Courtney	Massi, Kendal
Knapp, James	Larue, Connie	Lowman, Charles	Masters, Linda
Knight, William	Laskarides, Natalie	Lowry, Penny	Mata, Brenda
Knishinsky, Ran & Alm	Latner, Ken	Lucas, Stacy	Mathews, Kristin
Koenig, Maria	Lavine, Harry	Lucas, Suzanne	Mattera, Cynthia
Koepke, Sandy	Lavinia, Megan	Lucente, Dean	Mattern, Gerri
Kohl, Tammy	Lavoix, Heidi	Lucero, J Anita	Matthews, A.
Kohler, Kelle	Lawson, Delaney	Luckett, Nicole	Mattingly, Melissa
Komar, Kahaya	Layman, Jami	Ludwig, Amy	Mattlin, Michelle
Konija, Naomi	Le Fleur, Kelly	Ludwig, Jinny	Maurer, Kurt
Kopp, Jon	Leafblad, Charles	Luna, Phillip	Mauro, Sally
Korn, Alex	Lebhart, Robert & Beatrice	Lunckenbill, Lisa	Maxey, Marcia
Korsunsky, Dorothy	Lebreck, Michelle	Luongo, Joseph	Maynard, David
Korte, Ray & Nancy	LeClerc, Denise	Lupper, Rita	Maynard, Diane
Korte, Virginia	Lee, Danny	Lustig, Kimberly	Maynard, Malory
Kotana, Celina	Lee, Heidi	Lutgen, Jeanine	Mays, Cindy
Krajnak, Sarah	Lee, Jessica	Lutton, John & Barbara	Maytubby, Mary
Krajnik, Bobby	Lee, Kathy	LWB Trust	Mazey, Susan
Kratter, Marci	Lee, Tim	Lynch, Vincent	Mazza, Brian
Kraus, Joan	Leeders, Catie	Mac Donald, Madison	McAdam, Tim & Alison
Krause, Charles	Lefevre, Elaine	Macchiraoli, Dom & Kim	McAdam, Charles
Krause, Chalie	Lehrman, Tony	Macias, Ruben	McCain, The Honorable
Krause, Christine	Leivas, Jacqueline	Maday, Becky	John & Cindy
Kreiner, Kristi	Leivian, Danielle	Madden, Rex	McCain, James & Holly
Kreuzer, Dean & Tanya	Lendrum, Jamie	Madrid, Brittany	McCaleb, Kate
Krieger, Danielle	Leon, Elizabeth	Madrid, Fritz	McCall, Kristi
Kris and Karen	Leonesio, Max	Madril, Roy & Jake	McCarthy, Naomi
Krise, Monica	Leslie, Rick	Madura, DeeAnna	McCarthy, Lon
Kristosik, Amy	LeValley, JIm	Maese, Joe	McCarty, Evan
Kroger	Levesque, Dan	Magsam, Janice	McCauley, Barbara
Kroneberger, Carla	Levin, Danielle	Magyar, Suzie	McCauley, Mary
Kroner, Matt	Levy, Peter & Sheila	Mahaffey, Juliana	McCclean, Melinda
Krulic, Sherrie	Lewis, Delbert & Sharron	Majeski, Wanda	McCloud, Ray

McCormick, Barabara	Milewski, Karen	Moura, Ingo	Nelson, Kristen
McCoy, Janet	Miller, Chris	Moyes, Ashley	Nelson, Richard
McCoy, Kelly	Miller, Craig	Mozosi, Jamie	Nelson, Rodney
McCulloch, Carol	Miller, David	Mudhe, Kaithry	Nelson, Timothy
McDaniel, Joe	Miller, E.	Mugia, Doreen	Nerat, Joshua
McDaniels, Keith	Miller, Jeffrey	Muhamedagic, Dijana	Nervegna, Stephanie
McDermott, Nicole	Miller, Maggie	Muilenberg, Natalie	Nesbit, Jennifer
McDonald, Kimberly	Miller, Parker	Muir, Faith	Nesline, Molly
McDowell Mountain Elementary	Milliard, Staci	Mulford, Ed	Network for Good
Mceley, Gabriella	Milligan, Jennifer	Mulford, David & Jeannie	Newell, Douglas
McElmurry, Helen	Milne, Stephanie	Mulford, Kai	Newfield, Trina
McGarland, Geraldine	Mils, Sharon Amore	Mulford, William	Newhagen, Jill
McGerty, Lera	Minore, Dominica	Mulhearn, David	Newman, Jeffrey
McGlynn, Tim & Michelle	& Moore, Michael	Mure, Braden	Newmann, Paul
McGowan, Robert	Minore, Dominica	Murillo, Christina	Ngyuen, Jennifer
Mcgravlin, Melanie	Mirza, Lila	Murillo, Eve	Nicholas, Priscilla
McGuire Henshaw, Jennifer	Mischlispy, Karen	Murphy, Brian	Nieburgs, Radha
McIntyre, Courtney	Misher, Kimberly	Murphy, Brianna	Nielson, Chrystal
McKee, Robert & Mary Ellen	Mishter, David	Murphy, Donna	Nies-Bernier, Tanya
McKillop, Beth	Misner, Doris	Murphy, Kathy	Nitrio, Jennifer
McKinley, Cynthia	Mitchell, Betty Ann	Musgrave, Jennifer	Nixon, Robert
McLean, Leigh	Mitchell, Paula	Muzzy, Howard	Nolan, Michael
McLemore, Janice	Modern Woodmen Fraternal	Myers, Rocky	Noonan, Tim
McMann, Tamara	Financial	Myint, Razia	Norden, Laura
McMartin, Sierra Renee	Moffitt, Stuart	Nakai, Yuki	Norlin, Chase
McMullen, Valerie	Mojahed, Steph	Nancy Silver Giving Fund	Norman, Pamela
McNamara, Charise	Monahde, Lynn	Narducci, Melanie	Norris, Debbie
McNamura, Jane	Moncol, Diana	Narducci, Tony	Norris, Margaret
McQueary, Michael	Monroe, Stephanie	Nash, Justin	Norton, Peggy
McQueen, Lori	Montemayor, Lenor	Naumoff, Cheryl	Novack, Chaz
McQuillen, Tabitha	Montgomery, Ann	Nazareth, Shyamala	Novak, Debra
McVerry, Jenny	Montgomery, Penni	Neal, Gerald	Novak, Diane
McWhorter, Bill & Zonna	Mooney, Sandra	Negrete, Laura	Novak, Gregory & Sandra
McWhorter-Martinez, Allison	Moore, Beatrice	Neill, Todd	Novak, Jordan
Meador, Rhonda	Moore, Julie	Neitz, Beryl	Nugent, Greg
Medina, Nancy	Moore, Michelle	Nelbaur, Richard	Nunley, Kathryn
Meehan, Alison	Moore, Terry	Nelson, Brooke	Nunn, Linda
Mehr, Allison	Moores, Rick	Nelson, Dale	Nye, Deborah
Meisterheim, Stacy	Morales, Henry	Nelson, Ian	Nystrom, Brittany
Melamed, John & Janet	Morales, Petra		
Melendez, Rosari	Moran, Karen		
Melroe, Alec	Moran, Norman		
Meltzer, Daniel	Morari, Jan		
Mendivil, Ricky	Moravec, Nora		
Mensei, Marry	Mordja, Shae		
Merchant-Chambers, Morgan	Moreno Family Foundation		
Merriman, Jordan	Moreno, Arturo R. & Carole D.		
Mesanko, Brandon	Moreno, Jared		
Mesta, Robert	Morey, Seth		
Meszarao, Alissa	Morgan, Brandon		
Metrick, Patricia	Moritz, T.P. & R.G.		
Metteer, Dan	Mornissey, Carly		
Metzar, Kathleen	Morow, Margaret		
Metzger, Jonathan	Morris, C.J.		
Meyer, Deb	Morris, Nicole		
Mezosi, Jamie	Morrison, Jonathan		
Michael Hausman/Filmhaus	Morrison, Michelle		
Foundation Inc	Morstein, Mona		
Michaelson, Donna	Mosby, Megan		
Middelkamp, Gary	Moser, Al		
Middents, Anne	Moser, Diane		
Miers, David	Moskoff, Andres		
Mika, Bart	Moskoff, Andrew		
Miko, Aniko	Moss, Joseph F.		
Milams, Cynthia	& Thompson, Debra A.		
Miler, Kurtis	Mosso, John		
Miles, Jennifer	Motzer, Robin		



Juvenile great horned owl – photo by Morry Marshall



Adult and juvenile red-tailed hawks – photo by Morry Marshall

O'Brien, Krystal	Page, Kathy	Peter J. and Sarah T. Novak	Quintel, Dana
O'Brien, Regan	Pagliaro, Kitt	Charitable Trst	Raaman, Raja
O'Brien, Sara	Pahules, Peter P.	Peters, Jeff	Raasch, David
Ochea, Veronica	Palacios, Lisa	Peterson, Christina	Radosevich, Julie
Ogilvie, Heather	Palmer, Alice	Peterson, Heather	Radtke, Michael
O'Hara, Leslie	Palmertree, Chelsea	Peterson, Rebecca	Ragle, Sheila
Ohleiser, Bryan	Palmieri, Dawn	Peterson, Sandee	Rague, Dan
O'Keefe, David	Pampana, Jyothi	Petroff, Dave	Raibourne, Kimberly
Oldham, Charles	Panidgua, Ismael	Petrovic, Richard	Raitz, Sally
Olesak, Sonia	Paradise Valley Community	Pett, Michael	Rajashekhan, Vikas
Olsen, Mike & Dawn	College	Petticrew, Richard	Rajczak, Deborah
Olsen, Donna	Parke, Lorie	Petty, Kevin D.	Ram, Eric
Olsen, Gayle	Parke, Robin & Marilyn	Petzel, Annette	Ramadhan, Elizabeth
Olsen, Kris	Parker, Joleen	Petznick, Pat	Ramariz, James
Olsen, Linda	Parker, Lenzi	Phalon, Mary	Ramquist, Linda
Olisky, Mark	Parkinson, Elizabeth	Philliams, Shawna	Ramsbacher, Amy
Olson, Gina	Parness, Lee Ann	Phillips, Laurie	Randall, R.
O'Malley, Carolyn	Parnitzke, C. Diane	Phillips, Renee	Randy's Restaurant
O'Malley, Melody	Parrott, Kimberly	PHM Ltd	Rane, Tammy
Oman, Eric	Parsley, Carrie Jo	Phoenix Dog Cat Bird Hospital	Raney, Gary
Omar, Teresa	Patterson, Darren	Pickett, Jennifer	Ransom, Robert & Lilia
ONeill, Karen	Patton, Andrea	Pickthall, Ellen	Rasor, Amy
Orchowski, McKenzie	Patton, Jock	Picone, Celia	Ratcliff, Ashley
Orcutt, Amy	Patzmann, Tracy	Pictons, Elizabeth	Ratcliffe, Dawn M.
Ordonica, Debbie	Pauley, Michelle	Pierce, Byron	Rathkee, Connie
Oren, Joe & Laura	Paulk, Donna	Pierce, Kathleen	Ratkovic, Amanda
Orgeron, D. Ramar	Paveling, Phyllis	Pierre, Thomas	Rausch, Chuck
Orr, Adriene	Pearson, Paul	Pimental, Sophia	Rausch, Cynthia
Orr, Dr. Kathy	Peden Schatt, Carol	Pindrock, Roseann	Raven, Jan
Orr, Jennifer L.	Pedersen, Doris	Pinkus, Jonathan	Rawe, Tammy
Ortega, Diego	Pederson, Mike & Doris	Piper, Jared	Rawlings, Carol
Ortiz, Diego	Pella, Anna	Pirehpour, Megan	Reed, Sarah
Orzechowski, Millie	Pelletier, Martha Jean	Plotkin, Shelly	Reeder
Osborn, Dennis	Pena, Rachael	Plumb, Aileen	Rees, Barbara
Osborn, Jones	Penland, Wade	Podbrersky, Joel	Reeve, Barbra
Osborn, Sharon	Penol, Ann-Marie	Pohle, Doug	Reeves, Paul H.
Osborne, Desiree	Pepperman, Lisa	Pollock, Terry	Regan, Judy
Osborne, J.A. and R.G.	Peralta, Rebeca	Pomegranate Cafe LLC	Reger, Lori
Osborne, Kathleen	Perez, Cathy	Poojary, Ashish	Regis, Suzanne
Osterman, Sandra	Perez, Gloria	Popich, Amyra	Regner, Jay Ann
Osuna, Ana	Perez, Nick	Porter, Wayne	Reid, Duane
Overton, Monte	Perillo, Sonia	Postel, Veronica	Reid, Marc
Paakkonen, Jay & Heidi	Perl, Karen	Potash, Casey	Reilhan, Ryan
Pace, Analee	Peron, Nicholas	Poulos, Christopher	Reim, Emma
Pacheco, Shelly	Perry, Richard	Powell, D. and C.	Reinertsen, Laurie
Pachman, Robert	Perry, Thedra	Presler, Danae	Reith, Sara
Packert, David	Perryman, Bryce	Press, Gene	Reitmeyer, Diane
		Pretlow, William	Renaud, Brenna
		Price, Charles	Renolds, Linne
		Price, Christina J.	Repto, Remus
		Price, Mandy	Resetar, John
		Prichard, Taylor	Revak, Jennifer
		Prichett, Vicki	Rex, Karl
		Pride, Brandon	Reynolds, Jessica
		Printz, Amie	Reynolds, Lynn
		ProBest Pest Management	Reza, Angel
		Protocollo, Lorraine	Rhoades, Rebecca
		Pryor, Frederick & Jami D.	Rhodes, Haley
		Pulak, Matthew	Rice, Lola
		Pulaski, Sarah	Rich, Wayne & Lisa
		Pursley, Kelsey	Richard Rector & Robyn
		Pyle, Jordan	Dependahl Rev Trst
		Quaresima, Megan	Richard, Susana
		Quild, John	Rider, Chris
		Quill, Larry	Rieken, Echo
		Quillen, Ron	Rigden, Scott & Jean
		Quinn, Diane	Riggs, J.V.

Riley, Nancy	Russell, Miles	Schmidt, P.	Sennett, Mark
Rindler, Brian	Rust, Dena	Schmidt, Marc & Rikki	Sennette, Mark & Patti
Ring, Barbara J.	Rusy, Beth	Schmitt, Erin	Seoane, Meg
Riordan, Michelle	Rutledge, Barbara	Schmitz, Rita	Sepanek, Lee
Risley, Todd	Ryan, Lacey	Schneck, Penny	Seredich, Bobi
Risoleo, Pamela Overton	Ryan, Linda	Schneider, Philip	Serna, Jace
Ritcher, Dixie	Ryan, Patrick	Schneider, Phillip & Nancy	Sethman, Ashley
Rivera, Emily	Rysdam, Andrew	Schneider, Robert	Settle, Caroline
Rivera-Dirks, John	Ryser, Whitney	Schoenauer, Eda	Shafer, Terri
Rizzo, Lori	Sabbath, Jesse J.	Scholl, Terri	Shah, Gautman
Rob & Melani Walton Foundation	Sabel, Susie	Schooley, Marcia	Shah, Kiran & Pod
Robbins, David	Sabino, Victor	Schubel, Eric	Shahverdian, Karen
Roberson, Patricia	Sackett, Lisa	Schubert, Judy	Shanahan, Mary
Robert Kuplin	Sadalla, Edward & Jo	Schull, Terry	Shane, Jayme
Roberts, Barbara	Saenz, Brittinie	Schulman, Robert & Susan	Shanker, Kristine
Robinson, Matthew	Safir, Myllin	Schultz, Julie	Shannon, Natalie
Rocha, Leti	Sahady, Susan	Schumacher, Mandy	Sharpe, Bridget
Rochford, Renee	Salanis, Jesus	Schumacher, Sallye	Shaughnessy, Doug
Rodgers, Lori	Salazar, Richard	Schumer, Kathy	Shea, Lisa
Rodine, Jean	Salem, Tracy	Schutte, Jerry	Shekell, Maura
Rodriguez, Alex	Salls, Frank	Schwartz, John	Shepard, David & Amy
Rodriguez, Dulce	Salon, Richard	Schwartz, Marc	Shepard, Sherri
Rodriguez, Stephanie	Salsuberry, Nicole	Schwartz, Melissa	Shepherd, Shelley
Roemer, Malaika	Salter, Pam	Schwartz, Susan	Sheriden, Michelle & Theresa
Roe-Sepawitz, Dominique	Salvatore, Jodie	Schwarz, John	Sherman, Angela
Roger, Lori	Sampson, Amber	Schwarz, Lisa	Sherman, Denise
Rogers, Ana	Samuels, Janet	Schweisthal, Christy	Sherrard, Jennifer
Rogers, David	Sanchez, Annalise	Schwieter, Karen	Sherry, Dean
Rogin, Carol	Sanchez, Carlo	Scoccia, Danny	Shetler, Brent
Rohatgi, Himani	Sanchez, Cristina	Scoccia, JoAnne	Shields, Steve
Rolland, Tamala	Sandblom, Bob	Scolari, Susan	Shiffirin, Ari
Rollo, Des	Sanders, Heather	Scoles, David	Shih, Tresor
Rollo, Steve	Sanderson, Melissa	Scopes, Lynda	Shinde, Nitin
Romanish, Sara	Santesteban, Fred	Scott, Austin	Shoffman, Jimmy
Rombakis, Nadine	Santillanes, Alma	Scott, David Reid	Shores, Mike
Romero, Vanesa	Santos, George	Scott, Denise	Shralowizz, Laurence
Rondeau, Jessica	Sanz, Brittany	Scott, Linda	Shumaker, Lisa
Ronstadt, Sharon	Sapinski, April	Scottsdale Community College	Silver, Nancy
Root, Herbert	Sapp, Vicki	Scrivener, Daniel D.	Silverman, Dan
Rosabal, Hannah	Sar, Christopher	Scully, Emma	Silvia, Darcy
Rosenberg, Barbara	Sarin, Anne	Seabolt, Destiny	Simmonds, Kathleen
Rosenberg, Gina	Sarver, Karen	Searle, Kent	Simmons, Nancy
Rosenberg, Paul	Sassano, Ronald & Meredith	Seavian, Richard	Simon, Armity
Rosenblatt, Tatiana	Sastry, Neela	Seeds, Ivy	Simons, Peter
Rosenquist, Katie	Satelo, Regina	Seekatz, Cynthia	Simplot, Tom & Wade, Scot
Rossin, Ted	Satz, Arlene	Seidel, Brenda	Simpson, Aaron
Rossman, Josh	Saunders, Heather	Seifert, Tami	Simpson, Edith
Rossow, Kathy	Savage, Christopher	Self, Robert	Sinclair, June
Rost, Michelle	Savage, Danielle	Sell, Rada	Sink, Julie
Roth, Hannah	Savage, Steve & Lois	Senigaglia, Ben	Sipes, Nick
Rothe, Kimberly	Scapelliti, Holly		
Rothenberg, Daniel	Scarff, Susan		
Rothschild, Marg	Scarlett, Tonya		
Rotolante, Betty	Scehovic, Jill		
Rotondo, Jill	Schaefer, Scott		
Roumach, Janine	Schaefer, Susan		
Roumain, Janine	Schaeff, John		
Rowan, Tom	Schaffer, Linda		
Rowe, Debra	Schaller, Shana		
Roy, Michele	Schefski, Lois		
Royer, Jeanne	Schepp, Stephany		
Rubin, Susan	Schiaffo, Dina		
Rubio, Gabriel	Schimborski, Bethany		
Rucker, Diana	Schmefeld, Ciara		
Ruiz, John	Schmelter, Lorene		
Rule, Dona	Schmidt, David		
Running, Cliff	Schmidt, Lisa		



Steller's jay – photo by Mike Ince

Siqueiros, Tia
 Sitek, Tracy
 Skeeters, Dave
 Skehen, Joseph & Deborah
 Skoff, Beth
 Skwier, Amy
 Slayton-Garcia, Laura
 Sletten, Robert
 Small, Audra
 Small, Lee
 Small, Monica
 Small, Susannah
 Smalley, Sharon
 Smathaes, Lori
 Smith, Anita
 Smith, Bob
 Smith, Bridgette
 Smith, Carrie
 Smith, Chad
 Smith, Cindy
 Smith, C.A. & Corinne
 Smith, Daniel
 Smith, David
 Smith, Debra
 Smith, Gale
 Smith, Jessica
 Smith, Brian & Maureen
 Smith, Melissa
 Smith, Mike
 Smock, Lori
 Smuthers, Lori
 Snell, Kathy
 Sneva, Tom & Sharon
 Snow, Emily
 Snyder, Robert & Karen
 Snyder, Sue
 Soldo, Mark
 Sole, Cheryl
 Solomon, Dianna
 Solum, Gabrielle
 Somerville, Hannah
 Sorba, Kim
 Sorremon, Tatum
 Sortino, Elena
 Sorum, Dr. Mike
 Soumela, Beth
 Sounart, Steve & Brittney
 South, Dawn

Spafford, Charla
 Spann, Kim
 Speed, Lynn
 Spencer, Janine
 Spencer, Tina
 Spenner, Lisa
 Spivey, Charity
 Spoerl, Summer
 Sprague, Cynthia
 Sreecharana, Tara
 SRP
 St. Clair, Mellisa
 St. Clair, Ruby
 St. Clair, Cynthia
 Stacey, Michelle
 Stack, Jo
 Stader, Kristina
 Staford, Marr
 Stailey, Ann Baxter
 Stainback, Kenneth
 Stallings, Danielle
 Standage, Rod
 Standridge, Sandra
 Stapleton, Joan
 Stapley, Miranda
 Stark, Barbara
 Starr, Judy
 Stead, Susan
 Stearns, Linda
 Steber, Blanca
 Stebor, Addison
 Steege, Jenn
 Steenhoek, Preston
 Steger, Hanna
 Steigman, James
 Steigmann, Jim
 Steiner, Duane R.
 Stell, Michelle
 Steneroddn, Lenae
 Sterline, Loren
 Stevens, Michael
 Stevens, Patricia
 Stevens, Terry
 Stevenson, Terri
 Steward, Denver
 Stewart, Corrine
 Stewart, JoAnn
 Stewart, Larry

Stivers, Judi
 Stofko, Alex
 Stoll, Bridget
 Stone, Edna
 Stone, Linda
 Stone, Margaret
 Stout, Alex & Traci
 Stovall, Clare
 Strack, Christie
 Strangland, Emma
 Stratz, Mark
 Street, Renee
 Strong, Sweets
 Strosnider, Balinda
 Stuart, Kitty
 Stuckey, Wayne
 Styfferle, Nancy
 Succar, Erin
 Sugihor, Zoe
 Suits, Carol
 Sullivan, Helen
 Sumetz, Scott & Jennifer
 Summer, Pristine
 Summers, Jane
 Sunshine, Steve
 Surfus, Mary
 Sutton, Cheryl
 Svoboda, Michelle
 Swartz, Cassandra
 Swiderski, Andrea
 Swift, Curtis
 Swincinska, Nancy
 Swontek, Luz
 Syd & Jan Silverman Foundation
 Szotek, Christopher
 Taft, David
 Taggart, Laura
 Tallon, Donna
 Tanhueco, Nellie
 Tarr, Monica
 Tarrant, Phillip
 Tate, Holly
 Tau Leader Games
 Taylor, Lisa
 Taylor, S.
 Tayson, Jaron
 Teaford, Chester
 Teal, Glenna
 Teets, Heidi
 Temple, Haley
 Thatcher, Bruce
 Thayer, David
 The Gentle Rev Family Trust
 The Jaworski Trust
 The Rob & Melani Walton
 Foundation
 The Weese Foundation
 Thielen, Kristen
 Thomas, Laura
 Thomas, Patricia S.
 Thomas, Tami
 Thomason, Aaron & Tracy
 Thome, Franz & Judith
 Thompson, Nancy
 Thompson, Peter
 Thrasher, Gloria
 Thunderbirds Charities

Thurber, Kristin
 Tichenor, Jean
 Tiedens, Maria
 Tiegreen, Mary
 Tillery, Kim
 Tisdale, Julia
 Tollackson, Kendra
 Tollefson, David
 Tom, Victoria
 Toman, John
 Tomica, Audy
 Tomlinson, Theresa
 Tompkins, Cynthia
 Tont, Mary
 Tores, Marcelie
 Torreo, Reuben
 Torres, Jude
 Torres, Madeleine
 Torres-Sierra, Marilyn
 Tovar, Katie
 Towt, Robyn
 Traeesdahal, Christine
 Trahan, Thomas
 Trammel, Louis
 Trautman, John
 Tremonto, Kathryn
 Trenga, Tom & Sia
 Tresek, Terri
 Trevino, Peet
 Trombetta, Aaron
 Tromp, Shannon
 Trout, Steven
 Truaillo, Wis
 Truitt, Linda
 Trujillo, Carlos
 Trush, Robin
 Tuddle, Denise
 Tumbleson, Phil
 Tupen, Vicki
 Turncliff, Phil
 Turner, Barbara
 Turner, Velvarose
 Turnock, Jessica
 Tuveson, Genevieve
 Tweedy, Jessica
 Twomey, David
 Ulizio, Michael
 Underhill, Lisa
 United Way of Greater
 Philadelphia & NJ
 Upperman, Lisa
 Urbine, Jennifer
 Urquahart, Marya
 Urquahart, Molly
 Utakis, Marci
 Utzinger, Holly
 Valencia, Ruth
 Valenzuela, Helena
 Vallee, Dirinda
 Valley of the Sun United
 Way Giving
 Van Ark, Kim
 Van Buskirk, Tracy
 Van Dyke, Warren & Mare
 Van Es, Blake
 Van Meter, Stephanie
 Vance, Lisa



Adult and juvenile verdin - photo by Pete Thompson

Vande Hay, Travis
 Vanderjagt, Bruce
 Vandervrede, Glen
 Vanecko, Daniel & Bonnie
 VanWallene, Matt
 Varcoe, Olivia
 Vargas, Michael
 Varghai, Safa
 Varley, Amanda
 Varnandes, Vanessa
 Vaughan, Brian
 Vaught, Susan
 Vegors, Kenneth
 Vegors, Ken & Patti
 Velss, Ed
 Ventura, Rachel
 Ventura, Rick
 Verde Canyon Railroad, LC
 Vertuno, Sandra
 Vicky, Amy
 Vidyasager, Velamala
 Vigness, Brooke
 Villasenor, Sarah
 Vinson, Pamela
 Virgil, Jody
 Virginia M. Ullman Foundation
 Virtanen, Marko & Kelly
 Visser, Dawn
 Visser, Tammy
 Vlassis, Nancy
 Voight, Helen
 Voorhees, Dave
 Vroom, Patricia
 Vry, Ann
 Vuach, Erica
 Vulovich, Lou
 Wade, Alisah
 Wade, Elisha
 Wade, Linda
 Wade, Mary Ann
 Wadsworth, Bob
 Wadsworth, Sharon
 Wagstaffe, Alan
 Walby, Jessica
 Waldinger, Beth
 Waldorf, Alex
 Walker, JoAnne M.
 Wall, Lisa
 Walmsley, Harry
 Walrebenstein, Eric
 Walsh, Catherine
 Walsh, Hannah
 Walston, Regi
 Walters, Elizabeth
 Walton Foundation,
 The Rob & Melani
 Waltz, Kurt
 Wangler, Rosalyn
 Wann, John W
 Wann-Angeles, John
 Warburton, Lindsay
 Warchime, Gabriele
 Ward, Donald
 Warfield, Larry
 Warner, Liz
 Wathen, Emily
 Watson, Jack

Watts, Christin
 Watts, Cynthia & Michael
 Watts, Lori
 Watts, Steven & Gloria
 Weaver, Elizabeth
 Weaver, Mike
 Weddle, Phil & Shelor, Michele
 Weeks, Keith Doran
 Weese, Bill & Wetherbee, Lynn
 Weese, Florence K.
 Weese Foundation
 Weese, William
 Wegner, Tina
 Weil, Chip & Daryl
 Weiland, Linda
 Weinberger, Melissa
 Weiner, Lyn
 Weisz, Terri
 Welch, Aimee
 Welch, Marianne
 Welch, Tami
 Well, Susan
 Welling, Emily
 Wells, Andrews
 Wells, Debra
 Wells, Michele
 Wernecke, R.J.
 Werner, Tim
 Wesley, Susie
 West, Bonnie
 West, Jamie
 Westerhausen, Mr. & Mrs.
 Westerhausen Revocable Trust
 Westerhausen, J. Walden
 Westerhausen, Joan B.
 Westerhausen, Tracey
 Westlake, Debbie
 Weyer, D.
 Whalen, Jennifer
 Wheat, Janet
 Wheellock, Kyle
 Whitaker, Nathaniel
 White, Alina
 White, Brian
 White, Elizabeth
 White, Jamie
 White, Margaret
 White, Melinda
 Whitehead, Solange
 Whitfield, Burke & Mary Jo
 Whiting, Steven
 Whitt, Teresa
 Whittle, Joe
 Wiedman, Tyson
 Wiencek, Terri
 Wigley, Jayson
 Wijatyk, Peter
 Wilcox, Judy
 Wildeman, Stephanie
 Wilder, Lindsey
 Wiles, Russel
 Wiley, Julia
 Williamson, Sandra
 Wilkening, Lee & Phillips, Jody
 Wilkey, Nina
 Will, Kristine
 William C. Weese Trust



Painted bunting - photo by Peter Hogan

William, Paul
 Williams, Candyce
 Williams, Julie
 Williams, Meg
 Williamson, Stewart
 Wilson, Daniel
 Wilson, Diane
 Wilson, Douglas
 Wilson, James
 Wilson, Rosemary
 Wiltshire, Sarah
 Windham, Donald
 Wine, Leslie
 Wingo, Beth
 Winters, Jim
 Winters, Robin
 Wisdom, Lila
 Witek, Patricia
 Withrow, Robert
 Wittenberg, Betty Ann
 Wofford, Karen
 Wolensensky, Robert
 Wolf, Christopher
 Wolfe, John
 Wollenberg, Brent
 Womack, Phil
 Wood, Barbara
 Wood, Deborah J.
 Wood, Gary
 Wood, Hillary
 Wood, Sharon
 Woodland, John
 Woodward, Bob
 Woodward, Christina
 Workman, Caitlyn
 Wortendyke, Stephanie
 Worthen, Peggy
 Wozniak, Molly
 Wright, Heather
 Wright, Sean
 Wright, Suzanne
 Wyckmans, Maria
 Wykoff, Carla
 Wylie, Scott
 Wyman, Dr. Tanya
 Wynia, Valerie
 Wyrick, Jason
 Xeller, Chris & Lori
 Yagi, Greg

Yang, Krystal
 Yano, Misako
 Yellowhair, Shantel
 York, Michael
 Yost, Holly
 Young, Kay
 Young, Margaret
 YourCause
 Zamora, Greg
 Zappala, Ottavia
 Zappin, Tammy
 Zarandi, Mark
 Zasreow, C.
 Zastrow, Chris James
 Zavala, Veronia
 Zeller, Tina
 Zetah, Janet
 Zimmerman, Nathan
 Zinger, Kayla

***We apologize if we have
 inadvertently omitted or
 misspelled your name.
 Please let us know.
 Thank You!***



Left to right:
 Black-headed grosbeak
 Lesser long-nosed bats
 Northern harrier
Photos by Christie Van Cleve



www.libertywildlife.org

Liberty Wildlife
 2600 E. Elwood Street
 Phoenix, AZ 85040

Wildlife Hotline: (480) 998-5550