

# BAT WORLD

Conservation - Rescue - Sanctuary



2016 ANNUAL REPORT

# Bat World

Conservation, Rescue, Sanctuary



Rescued Jamaican fruit bats snagging melon cubes from their treat bucket.  
Photo by Amanda Lollar

Printed on 20% recycled paper certified by the Sustainable Forestry Initiative, using 100% vegetable based ink.

**NOTE:** The articles in this magazine are written by the same humans who also care for the bats. Although we try very hard a few typos always seem to slip through. Please bear with us and overlook any mistakes.

*The content in this publication was created by trained, vaccinated bat care professionals in possession of all appropriate licenses or permits. No statement or photo contained in this magazine should be construed as permission or recommendation to handle bats.*

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**PRINTED ANNUALLY.** Want more updates than an annual printing? Sign up to receive our free Night Flight News at [batworld.org](http://batworld.org)



Bat World, Volume 8, 2016

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Bat World is published annually by Bat World Sanctuary, a 501c3 non-profit organization. Donations and memberships allow Bat World to continue its mission of rescue and conservation. To join Bat World or obtain more information about bats and how they make our world a better place, visit [www.batworld.org](http://www.batworld.org).

To inquire about local rescue, memberships, make donations, sponsor a bat, purchase merchandise or sign up for e-alerts, please contact us at:

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# 2016 Year End Letter

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Dear Bat World Sanctuary Supporters,

We began the year in the greatest way, being *completely* debt free after paying off the construction loan we secured to build a new facility. Having this security is monumental; it means freedom from financial constraints to excel in our mission of providing permanent sanctuary to non-releasable bats, promoting the humane treatment of bats in captivity, educating the public about the importance of bats and training animal care professionals. Most of all, it means that wounded, abused, orphaned and displaced bats truly have a “forever place” to recuperate from their previous lives— a place to lick their wounds, to find relief from starvation or death, and ultimately find the freedom or sanctuary they so deserve.

This year we received a generous grant that enabled us to build a small residence for a caregiver on Bat World’s land. On-site quarters for a caregiver will allow the organization to move forward with a sound transition plan, ensuring that the standards for bats we have established over the past 22 years will continue to be met or exceeded in the future. Additionally, with the help of a generous donor, we increased our security in having a back-up generator installed on the property to address the many power outages we see each year. This was a critical need as losing power during an ice storm could prove deadly to the tropical bats in our care because they are unable to withstand cold temperatures.

Lastly, aside from the lives we saved this year with your support, one of our proudest moments was becoming accredited by the Global Federation of Animal Sanctuaries. This accreditation means that Bat World Sanctuary meets the rigorous and comprehensive definition of a true sanctuary, and meets the rigorous standards for operations, administration, and veterinary care set forth by GFAS. We ended the year by becoming the 8th recipient of The Carole Noon Award for Sanctuary Excellence (see page 36.)

As you look through this magazine, please remember that you are the reason we accomplished everything on these pages. Your contributions helped us save bats that would not have lived without our intervention, and you have enabled us to spread the word that these gentle creatures, so essential to our planet, need our help to survive.

Please consider sending a donation to help us save more lives in the coming year. Use the enclosed envelope, or contribute online through our “Donate Now” button at [bat-world.org](http://bat-world.org). And please remember that no matter how small your donation may seem to you, it is vital to the survival of the bats, and it will never seem small to us.

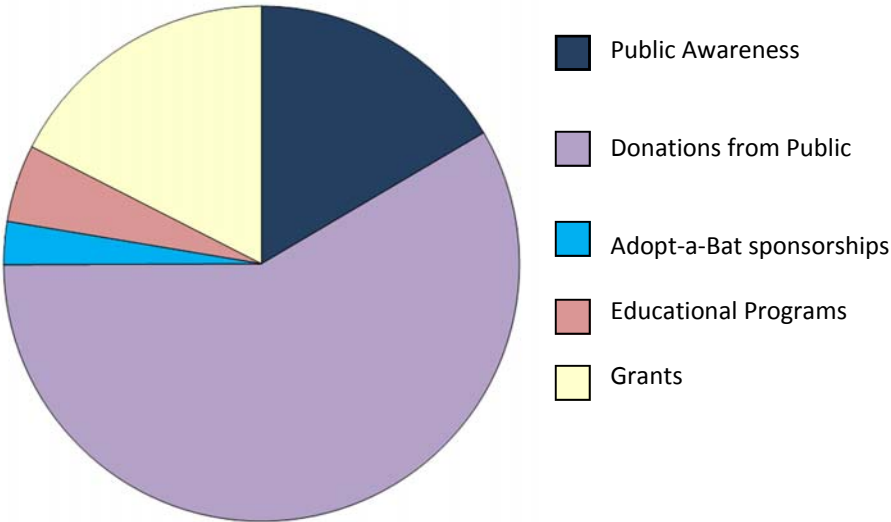
With Sincere Gratitude



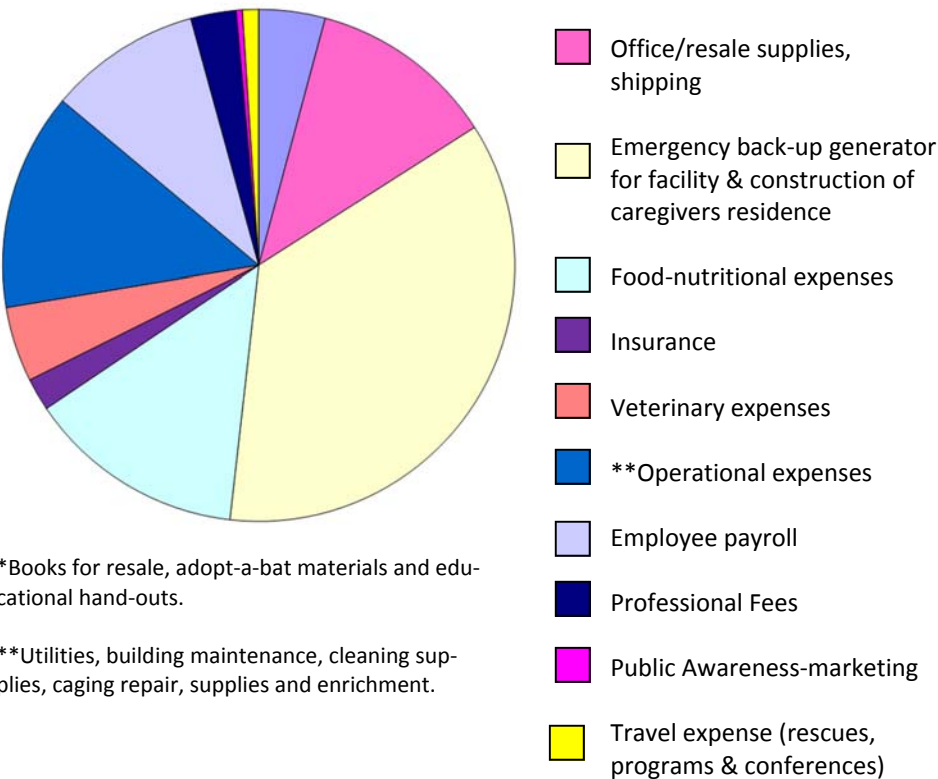
Amanda Lollar  
Founder and President  
Bat World Sanctuary

# 2016 Financial Accounting

Bat World 2016 Income



Bat World 2016 Expenses



\*Books for resale, adopt-a-bat materials and educational hand-outs.

\*\*Utilities, building maintenance, cleaning supplies, caging repair, supplies and enrichment.

# 2016 Year-End Summary

<i>Income</i>		<i>Expenses</i>	
Public awareness through sale items and books	\$37,762.13	Book Printing and website services-fees	\$10,091.06
Donations	\$133,597.90	Professional fees	\$6,911.77
Adopt-a-Bat sponsorships	\$6,170.29	Public Awareness and Marketing	\$945.86
Grants	\$40,000.00	*Office, program & fundraising expense	\$28,391.00
Educational Program fees	\$11,135.55	**Back-up generator & caregivers residence	\$77,422.16
		Operational expenses	\$27,085.89
		Food & nutritional supplements	\$33,191.88
		Medical & veterinary supplies	\$11,462.17
		Travel expense - rescues & programs	\$2,454.87
		Insurance	\$4,971.56
		Employee payroll	\$23,206.78
<b>Total income</b>		<b>Total expenses</b>	<b>\$226,135.00</b>

**Net rollover \$2,534.13**

\*Office and program expenses include items needed to create our Adopt-a-Bat sponsorship packages, ink, t-shirts, and shipping charges.

\*\*An emergency back-up generator was installed at Bat World Sanctuary for critical power outages. A caregivers cottage was also contracted on Bat World Sanctuary's land thanks to a generous grant toward the project.

**Note: This accounting reflects 2016 through the third quarter. It does not reflect the entire year.**

# 2016 Rescues

*Your contributions enabled us to save over 1,300 orphaned, injured and displaced bats this year. Although a few of these bats were not releasable due to injuries, over 1,200 bats now fly free because you bought their food, medicine, and housing, and you provided resources critical to our rescue efforts. The bats featured in this section represent a few of the lives saved through your support. For a complete list please visit our online rescue log at [batworld.org/rescue-log/](http://batworld.org/rescue-log/)*

## **UNSINKABLE MOLLY BROWN**



*Unsinkable Molly Brown, looking a little water-logged but now safe.*



This little evening bat (*Nycticeius humeralis*) was discovered floating in a pot of cold water in a sink. Luckily the homeowner is a bat enthusiast so she immediately called Bat World Sanctuary and then drove the tiny girl to our facility. When the bat arrived she was curled up into a ball and appeared deceased. A close exam revealed that she was only damp and very cold. She was uninjured and breathing normally, which meant she had not aspirated water into her lungs while she was treading water.

After a few hours of rest in a warm incubator and a nice meal of blended bugs little “Molly Brown” had fully recovered. Late that evening she was released into our bat house placed on the facility grounds just for the purpose of releasing evening bats. Once inside the house Molly gained her bearings, poked her tiny head out and looked around, then flew off into the night to consume her evening allowance of over 3,000 moths, flies, gnats and cucumber beetles.





**HARRY**

Amanda Lollar

*Harry on arrival, photo taken after he had received pain medication and antibiotics.*

Harry, a male Brazilian free-tail (*Tadarida brasiliensis*) came in with a wing finger injury after being found grounded at an apartment complex in early February. In the wild free-tailed bats consume vast quantities of flying insects including harmful moths, beetles, and flying ants and termites. Late winter is hard on migrating free-tailed bats flying back into the US from South America. Males come over first and set up territory in preparation for females who will follow in a few weeks. To attract females, the males sing a special song that sounds very faint and almost birdlike. They also mark their territory with a gland under

their throat and then add a few drops of urine on top for good measure. This "after shave" is unique to every male and very attractive to the ladies who pick and choose which male they want to hang out with based on their after shave and how well they sing. Male free-tails become aggressive during mating season and fight with each other in defending their territory, so every year we end up with several "losers" in recovery. Unfortunately, Harry lost his prize territory to another male but lucky for him, his injuries were minor. After he healed Harry was released back to the wild to try again.

# ***THE HOUSTON FOUR***

## **A sad tale of human ignorance**

*By Founder & President Amanda Lollar*

Around 10pm on February 3rd, I was just wrapping up the day when I saw a plea for help on our Facebook page regarding an issue in Houston, Texas. It involved an elderly woman beating bats to death with her cane.

There was a link to a video news piece showing dead Brazilian free-tailed bats (*Tadarida brasiliensis*) that had been beaten to death laying on the front porch of the woman's home. Watching it sickened me to the core. I was further frustrated by the fact that Houston is over 300 miles away from Bat World Sanctuary. The video made it appear as though the woman was helpless and the bats were invading her home. However, free-tailed bats are shy and secretive. They hide in cracks and crevices as well as attics and caves. They do not hang out in the open. These bats would have to be pulled out of their roost on her porch in order to be beaten. Bats have an intelligence level equivalent to that of dolphins; they have a complicated social structure that includes over 25 different vocalizations that make up their language. Mother free-tails only have one young per year and if anything happens to her pup, a mother will openly grieve for days with her mournful cries. Free-tailed bats are capable of eating up to 5,000 harmful flying insects nightly and they have a lifespan of over 15 years. Each bat that was killed had the potential of eating 27,375,000 harmful insects in its lifetime.

Because it was so late in the day, my only recourse was to alert rescuers in the area as well as Benito Marcelino, the reporter at KHOU 11 News who covered the story and asked to be contacted if anyone could help. I left messages with Mr. Benito through email and his Facebook page that night as well as the following morning. I also put in calls first thing the following morning to our local Wildlife Game Warden, KHOU 11 news, and our good friends at 911 Wildlife, a humane exclusion company who works on behalf of wildlife as well as people.

911 Wildlife was founded by Bonnie Bradshaw, a fellow wildlife rehabilitator. With offices throughout Texas, including Houston, 911Wildlife was able to immediately respond to this tragedy. They arrived at the woman's house early that same morning and donated their time and equipment to humanely exclude the bats so more bats would not be needlessly killed. They also did a thorough search for survivors. Sadly, only five bats out of hundreds survived the beatings. The 911 Wildlife crew transferred these tiny, broken souls to a local rescuer we had on standby, and the Houston Five made it to our Bat World MidCities rescue center that same night. Kate, our Director of Special Projects, stayed up most of the night treating and stabilizing the survivors. Sadly, one of the bats passed away the following morning from internal injuries.

Later, I sent an email to Mr. Benito asking why he didn't actually seek help for this woman. Having access to the internet granted him a wealth of information he could have easily used to assist her. Instead, he chose to demonize bats in his report while filming her sickening brutality—which had apparently been going on for years. He even stood by while still-alive bats were thrown into a trash bag.



Mr. Benito never responded to any of my emails or Facebook messages, nor the messages of dozens of other conservation-minded supporters. Many people wrote to express their extreme disappointment at the lack of any helpful information that KHOU 11 news provided this woman, nor did they attempt to find aide for the bats. Instead, they chose to sensationalize bats and deepen the fears of people who do not know any better.

If there is a brighter note to this story it is that this colony of bats will no longer be in harms way since they have been humanely excluded. Dozens of people came together in a show of concern for these bats and the elderly woman as well. We want to thank everyone again who emailed and called us out of concern for these bats, and thank you to volunteer Marzi, who made an 11-hour trip in one day to transport the bats to Bat World MidCities. A special thank you to Bonnie and crew at 911Wildlife – the bats would not have had a chance without your intervention.

The surviving four bats had extensive injuries involving their wings and legs, but they recovered and are now receiving permanent sanctuary with us. Going forward, the Houston Four will always know the peace, comfort and respect they so deserve. To sponsor the Houston Four and help to provide for their lifetime care please see the last page of this magazine.



*The Houston Four: Bee, Dash, Jane Ann and Timmy. Photo taken a few weeks after the bats had recovered. Jane Ann is marked with a non-toxic color to indicate she is still on antibiotics.*

## NOSEY



Amanda Lollar

*Nosey, photo taken after she was able to breath from her nose once again.*



*Nosey as she was found grounded. Her sunken shoulder blades and unkempt fur indicates she had been having a lot of difficulty for some time.*

This little free-tailed bat (*Tadarida brasiliensis*) was found grounded in the back of a Walmart store and brought to Bat World Sanctuary by her rescuers.

Nosey was very thin because her nose had been bitten (probably by an aggressive suitor during mating season). The bite caused her nostrils to swell shut to the point that she could only breath through her mouth. Her obstructed respiration then affected her ability to fly and forage for insects, so she soon found herself grounded and starving to death.

Nosey spent a few weeks recuperating at Bat World Sanctuary, receiving antibiotics and pain medication as well as being hand-fed twice daily. Because she had such a hard time breathing and eating at the same time, she

had to be fed very slowly. Within three weeks Nosey was finally able to eat while breathing through her nose so she was transferred to a flight enclosure to rebuild her stamina before being released back to the wild two weeks later.



Kate Rugroden



This tiny tricolor bat (*Perimyotis subflavus*) was roosting over the door of an elderly woman's apartment. She called a pest control service who advised her to hit it with a broom. The nice lady did not want to kill the bat so she called a friend who advised her to put the bat in a Mason jar with a wet sponge. After the bat had spent several hours in the jar the persistent woman had enough. She decided to try to get help through the internet and found us. After finally being transferred to our Bat World MidCities rescue center the thumb-sized bat was able to dry out. After a week of supportive care she was released back to the wild to feed on small insects like moths, flies, mosquitoes, and wasps.



Kate Rugroden

Lorelei, an evening bat (*Nycticeius humeralis*), came to us after being rescued by a reptile rehabilitator who unknowingly fed Lorelei the wrong food which resulted in hair loss due to malnourishment that almost cost her life. We remain thankful to this rehabilitator who saved Lorelei from starvation and then transferred her to Bat World after finding us online. The photo on the right shows Lorelei after just two weeks in care with us, receiving the proper nutrition which included meal worms, vitamins, minerals and essential fatty acids.



## HARRIET



This sweet cave bat (*Myotis velifer*) was found under a bridge in The Colony, Texas with her left wing wedged between the metal work of the bridge. She was spotted by someone walking their dog and he immediately called Bat World Sanctuary for help. A flat head screw driver was used to pry the metal apart so her wing could be freed. Volunteers then transported her to Bat World Sanctuary.

In the wild cave bats eat small moths, beetles, weevils, and antlions. The bat's emaciated condition indicated that she had been stuck under the bridge for at least two days, unable to forage. Her left wrist was also damaged and her wing membrane was torn, which likely occurred during her struggles to free herself. She was extremely weak when she arrived but she eventually made a full recovery. Unfortunately, her wrist injury affects her ability to fly sufficiently to forage for insects so Harriet was unable to be returned to the wild. Instead, she will receive lifetime care with the other non-releasable bats at Bat World Sanctuary, which includes another cave bat named Oscar.



This healthy Brazilian free-tailed bat (*Tadarida brasiliensis*) was one of several dozen displaced bats released into Bat World's Bat Castle this year after losing their homes to construction and/or demolitions. The bat castle serves as a safe and perfect release site for these bats.

While a permanent colony has not yet taken residence inside the bat castle, we see increasing evidence that bats are visiting and using it as a stop over site based on the guano seen in and around the entrances into the castle.



Mitzi Johnson

This tiny lost evening bat (*Nycticeius humeralis*) decided to park herself under homeowner Mitzi's carport for a couple of days, bringing attention from her Fort Worth, Texas neighbors who quickly became smitten with her tiny furry form and came to check on her daily.

Mitzi contacted us after 48 hours when it appeared that "Bela" hadn't moved from her spot and might actually be in trouble.

Volunteer Jeremy Green drove to Mitzi's location to check on Bela, where an exam revealed she was young and in good physical condition so she probably just became lost and confused. After receiving fluids and a nice meal Bela was released back to the wild in a nearby location where evening bat colonies are known to exist. A small colony of only 300 evening bats is estimated to consume 6.3 million insects each summer.



Mitzi Johnson



Mitzi Johnson

*Protect yourself, protect them*

**NEVER  
RESCUE  
A BAT  
BARE  
HANDED!**



**Find help at [batworld.org](http://batworld.org)**

## DOTTIE



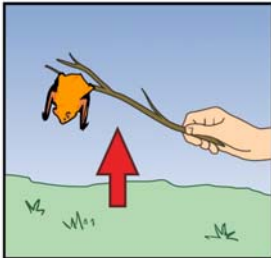
Dottie came to us from Temple, Texas. She was found in a parking lot by a Registered Nurse (RN) who works at night with elderly patients. The RN found instructions on how to safely contain the bat on Bat World's website and, after pulling a 12-hour night shift, she waited on the rescuer (Brandi) to retrieve the bat. Brandi then drove Dottie approximately 280 miles round trip to bring her to our rescue center, Bat World Mid-Cities. After Dottie arrived an exam revealed a broken leg, a torn tail membrane, and a severed tendon (ligament) that connected the leg to the tail. Although the membrane and the leg will heal, the tendon is critical to flight so Dottie's odds of surviving in the wild are compromised. Dottie will instead be permanently cared for, with others of her kind, at Bat World MidCities.

## GRAMPS

Gramps is an elderly free-tailed bat (*Tadarida brasiliensis*) brought to us in September. He was found grounded in the Fort Worth, Texas area after a storm hit. Gramps was rescued by HSUS which then transported him to Bat World Sanctuary. He had a rough go at first and we were unsure if he would survive. He suffered a head injury, a bruised back and we suspect a broken pelvis. Gramps is doing well now and his injuries are healed, although he still has difficulty moving one back leg. He will be over-wintered for potential release in the spring, but if his leg does not improve he is welcome to permanent sanctuary with others of his kind at Bat World.







Taylor Flatbush

## GROUNDRED BAT MOM & PUPS

This mother red bat (*Lasiurus borealis*) and her two large pups were rescued after being grounded, possibly from a blue jay attack. After landing in the grass she spread her wings over her babies in an attempt to offer them protection. Red bats are very devoted mothers and often stay with their babies when grounded, even when it means sacrificing their own lives. Luckily for these bats, they were spotted by Taylor Flatbush who called Bat World Sanctuary for help.

We guided Taylor to our “Found a Bat?” page at [batworld.org](http://batworld.org), where step-by-step instructions can be found on how to help grounded bats like these. Taylor followed the instruction guide and relocated the small family back into a tree. We receive dozens of calls during the summer months from rescuers like Taylor, who graciously work with us in getting non-injured mothers and pups back where they belong. A special thank you to Taylor for these excellent photos, which prove how easy it is to save important lives like these.

**GIGI**



Kate Rugroden

This beautiful Seminole bat (*Lasiurus seminolus*) was found grounded in a restaurant parking lot near Jefferson, Texas by a truck driver. The driver contacted us and then transported the bat to Bat World Sanctuary for care.

The bat, later named Gigi, had a shoulder injury which eventually healed. While Gigi was in care she gave birth to two pups. As seen in the photo, the pups of Seminole bats (along with brightly colored red bats and hoary bats) are born with gray fur which likely helps to shield them from predators while mom is off foraging for insects like ants, wasps, beetles, moths and flies. Within two weeks their fur starts to change in hue until they are covered with the exquisite coat of an adult. Gigi was cared for until her pups were full grown and able to forage and fly on their own, then the small family was released back to the wild.



Kate Rugroden

*Gigi's pups, clinging to her underside*



## RED BAT ORPHANS



The mother of these four tiny red bat pups (*Lasiurus borealis*) was found on the ground in Fort Worth, Texas by a homeowner. She and her pups were taken to a veterinarian who happened to train with Bat World Sanctuary last summer. Thankfully, mom was not injured so the small family was returned to a tree. The following morning, however, the mom was gone, leaving her four pups behind. These sweet babies were then transported to Bat World MidCities to be hand-raised.

The following day the four pups were joined by a chocolatey-brown evening bat orphan, also found grounded. In this photo the pups of both species are about two weeks old.

Mother red bats are one of the few species that have more than one pup per year. They often have as many as five. These bats roost in trees and are frequently attacked by blue jays and crows. Before the summer is over we will end up with dozens of red bat babies to hand-raise to adulthood and eventual release back to the wild. Red bats eat a variety of insects including moths, beetles, mosquitoes, plant-hoppers, ants, and flies.

These red bat orphans range in age from 3 to 6 weeks. At this age it's easy to tell males from females as the males are more brightly colored red while females are mostly beige, grey, and gold with some red tint. Red bats are solitary except when the young are being reared.

The younger pups cluster together for security while the older bats are starting to move away from one another. By the time they are flying (in 8 to 10 weeks) they will prefer to be alone and can then be released to go out and eat the pesky insects that bother us.



## ERNIE



Amanda Lollar

During the summer months, hundreds of Brazilian free-tailed bat mothers set up nursery colonies in the attics of vacant buildings in a dilapidated part of a nearby town. Occasionally, a baby bat will become orphaned from the mother not returning to the roost for various reasons including being injured in a storm or becoming the victim of a predator such as an owl, hawk or human.

Orphaned bats go in search of mom and often end up grounded on the outside of the buildings, so Bat World volunteers walk the area early every summer morning to look for pups that can be saved.

“Little Ernie” survived despite tremendous odds being stacked against him. He was stuck inside a old, vacant building for at least two days before being accidentally spotted through a glass door on July 14, 2016 by volunteer Moriah. Luckily we were able to find the building owner

(Ernie B.) and we called him immediately. Ernie B. said he would go check and see if the bat was still there and call us back. A short while later he returned our call and said the little bat was already dead.

Later that night we went to check the area again and decided to recheck the building, just in case. We immediately spotted the same little bat behind the glass door, very much alive and struggling to find a way out. He was covered in dust and laying on the floor with a large amount of debris clinging to his little feet, which he dragged behind him as he feebly crawled across the floor. It was easy to tell by the way he was moving that he was very weak from the weight of the debris as well as a lack of food and water. Periodically he would stop and rest, which made him look deceased. We called Ernie B. again and thankfully he was available to come and open the door so we could rescue Little Ernie.

Little Ernie's strong will and determined personality helped him survive the odds that were stacked against him. But as it turned out, Little Ernie was born with deformed fingertips which will prevent him from ever flying free, so being stuck behind those glass doors at the right time were the best odds he could have hoped for.



*Ernie nursing warm milk formula from a foam tip*

Ernie will never again have to beat the odds. He will be cared for at Bat World Sanctuary for the rest of his life, where the odds are always stacked in his favor. To sponsor Ernie and help us provide for his lifetime support please see the last page of this magazine.





## MUNCHKINFACE



Amanda Lollar

*Munchkinface on the day he arrived, nursing milk formula from a foam tip*

Munchkinface, a Brazilian free-tail orphan (*Tadarida brasiliensis*) was born very late in the summer and probably would not have survived if he had not had the "fortune" of falling directly onto an outdoor table at a café where men happened to be sitting having their morning coffee. His rescuers, Brianna and Victoria (who likely worked at the café) then drove Munchkinface over 100 miles to Bat World Sanctuary.

It turned out that Munchkinface was actually a newborn as his umbilical cord was still attached. All other pups had been born four to six weeks earlier. Had Munchkinface not fallen he would not have survived as he would have been unable to fly in time to join his colony during fall migration to Mexico.

Munchkinface will stay with us at least until the summer of 2017 when he may be ready for release.



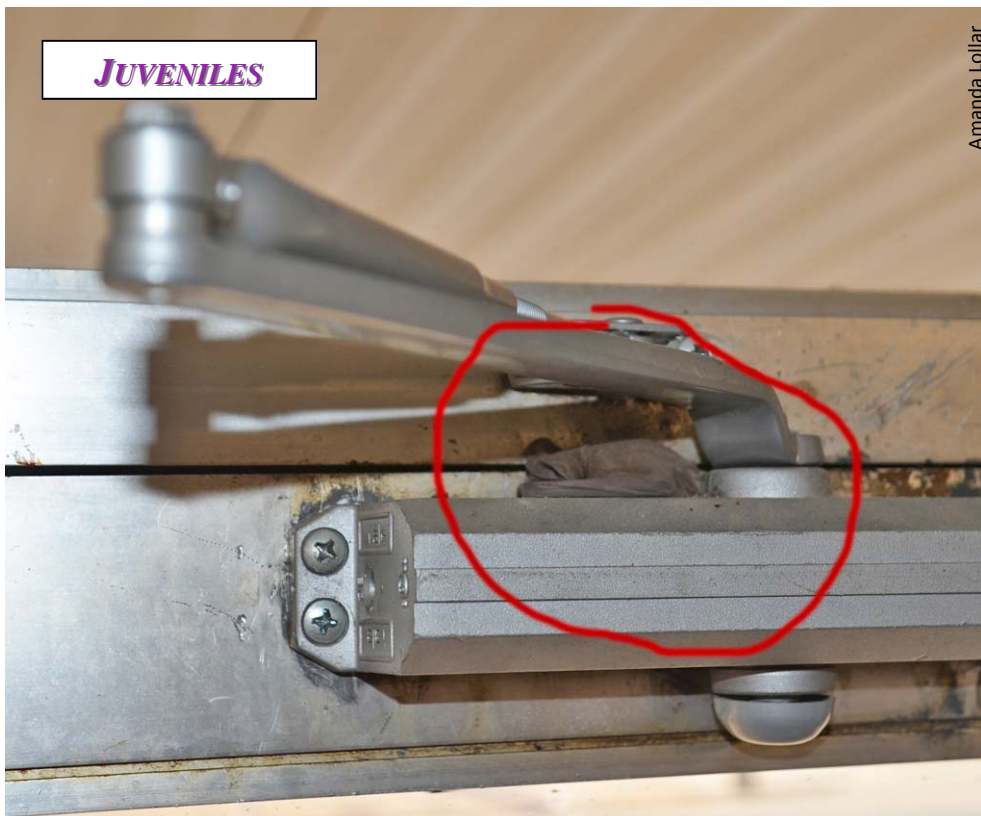
Amanda Lollar

*Munchkinface today. His ear is marked green to indicate to caretakers that he must be hand-fed twice daily.*



## JUVENILES

Amanda Lollar



The summer months brought lots of juvenile free-tailed bats (*Tadarida brasiliensis*) stuck in odd places. When young bats learn to fly they often go exploring and end up where they shouldn't be, oftentimes finding themselves trapped in places that can cause injury or death. The small bat pictured above decided to rest on top of the door closer of a barber shop in Mineral Wells, Texas. Fortunately for him, he stayed completely still and didn't become injured despite several customers coming in and out of the door. After a nice meal and a bit of rest he was released back to the wild.

The bat in the photo on the right became trapped in the sink of a vacant apartment that is located directly above the barber shop. A colony of bats have been using the crawlspace of this building for years so we periodically check the vacant rooms to look for bats in trouble. In cases like this sink, which is a potential death trap, a rag, old curtain or anything else available is draped into the sink and over the edge to form a ladder which allows future bats ending up in the sink a means to climb out.



Amanda Lollar



Left: Radar as she arrived at Bat World Alamo. Right: Radar after two weeks in care.

This poor Brazilian free-tailed bat (*Tadarida brasiliensis*) was spotted crawling frantically around in a grocery store parking lot in San Antonio, Texas. The bat had somehow become covered in roofing tar and could not fly. Periodically she would crawl toward people, likely in a desperate attempt to get off of the hot pavement, but instead she would be kicked away each time, possibly by people who were too frightened of her to help.

Lucky for Radar, a compassionate young lady saw her and immediately rushed over to scoop her up into a towel. She then took Radar home and made her comfortable in a box with a soft cloth and a small, shallow dish of water, which Radar immediately took advantage of. A Google search for help provided someone in her immediate area, our rescue center Bat World Alamo.

Michelle Camara, Director of Bat World Alamo, arrived to pick up Radar, who needed several weeks of recovery. Radar was given subcutaneous fluids to combat severe dehydration, pain medications, antibiotics, and activated charcoal to remove any tar she may have ingested while attempting to rid her body of the tar. Most of Radar's fur had to be painstakingly clipped away, which revealed burns to her skin.

Radar was given daily baths for a two week period. The remaining tar that had adhered to her skin eventually disappeared, but unfortunately it caused damage to the tips of her wings, leaving her nonreleasable. Radar now lives with several other nonreleasable bats of her kind at Bat World Alamo, where she will spend the rest of her life being cared for with the compassion and respect she deserves.



Above: Lucky at six weeks of age. Below: Lucky on the day of the rescue, after her bath.



This young evening bat (*Nycticeius humeralis*), was rescued at a doctor's office in Canton, Texas by an animal control officer. The officer was called out for "hundreds of dead bats" roosting in a brick pillar outside the office. She arrived to find one deceased bat and one youngster, still alive. Fortunately, the rest of the bats had flown off in fear.

As the officer drove up a member of the clinic staff was actually spraying the live pup with wasp spray. The knowledgeable officer immediately ran to a rest room sink and bathed the four-week old pup in soap and water to remove the toxin. The officer then called Kate Rugroden, Director of Bat World Mid-Cities Rescue Center, who met the officer to get the pup. The animal control officer educated the staff about the fact that it is a federal offense

to use chemicals to kill bats, and she also informed the staff of the proper time of year to humanely exclude bats.

This little girl was extremely lucky to have been rescued by this compassionate officer who knew to give her an immediate bath to remove the poison. Had she been discovered even a few hours later it would have been too late to treat her and she would have had to be humanely euthanized in order to avoid an excruciating death. After several weeks in rehabilitation she made a full recovery, reached adulthood and learned to fly. She is now flying free and helping humans by freeing our night skies of harmful insects.





**NEWTON**



Amanda Lollar

This Brazilian free-tail (*Tadarida brasiliensis*) was clinging to a speaker at a bank drive-through. He was apparently climbing on the bricks and decided to cross over the metal speaker which was too slick to get a grip so he remained stuck in place and unable to move without falling. Lucky for him he was spotted by a bank teller and we were called. The little boy has two broken fingers so will spend the winter with Bat World Sanctuary. If his injuries prevent him from flying well enough to go back into the wild he will be given lifetime sanctuary.

A female Brazilian free-tail (*Tadarida brasiliensis*) was found grounded in the middle of a downtown street and gathered into a cloth by a good Samaritan. When she reached us we discovered her only issue was a large clump of dried mud attached to her foot. The mud was heavy for her small size and likely made flying and foraging for insects very difficult. Carrying the added weight also inflamed her leg muscle, and the loss of use of one foot left her unable to groom one side of her body. The clump was removed after soaking it in warm water for less than a minute. This rescue shows how fragile bats are in that a simple clump of mud, so easily removed, could have cost her life. Fortunately, she was found and saved and after two days in recovery she was able to be released.



**MUDFOOT**



Amanda Lollar

# Rescues in Other Countries

*In 2016 we helped individuals and bat care professionals in 67 locations worldwide. Using photos and videos, we were able to identify species, share book chapters on bat care and rehabilitation published by Bat World Sanctuary, and offer medical advice to veterinarians, researchers, biologists and wildlife rehabilitators around the globe.*

**This year we provided book chapters on how to treat injured bats and raise orphaned bats to bat rescuers in the following International locations:**

- |                |             |                  |                  |
|----------------|-------------|------------------|------------------|
| • Belarus      | • Columbia  | • Ireland        | • United Kingdom |
| • South Africa | • Lebanon   | • Virgin Islands | • Germany        |
| • Malaysia     | • Taiwan    | • Costa Rica     | • Mexico         |
| • Bulgaria     | • Chile     | • India          | • Poland         |
| • Israel       | • Japan     | • Indonesia      | • Brazil         |
| • Hungary      | • Serbia    | • Canada         | • Greece         |
| • Spain        | • Nicaragua | • Bosnia         | • Panama         |
| • Nepal        | • Malta     | • Argentina      |                  |

**In 2016 we provided help and information to US bat rescuers as well assisting the public with downed bats and humane bat exclusions in the following locations:**

Alabama, Arizona, California, Colorado, Connecticut, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Louisiana, Maine, Maryland, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, Texas, Utah, Virginia, Washington, and Wisconsin.

*For more details on our rescue work please see our **Rescue Log** at [batworld.org](http://batworld.org) where you can view the daily logs that include photographs and videos (when available).*

## Spotlight on an International Rescue

**The following email was received in early July along with several photos.**

*Hello!*

*I am a Veterinarian stationed in Japan, and I was brought a very tiny bat yesterday at the clinic. I have no idea how to take care of it, and I found your "Feeding and Care of Infant Bats" online chapter incredibly helpful. I am going to make up the milk replacement from your article, but I was wondering if you could provide any additional assistance to give this guy a chance. I have him in a small cardboard box with a wash cloth, and I'm trying to feed him every 2-4 hours. Japan is considered a rabies-free country, so I am not too concerned about rabies exposure. This email may be fruitless, but I'll reach for any help that might be available!*



*(Continued)*

## Spotlight on International Rescues, continued

After receiving the email from Japan, we immediately responded by sending book chapters on proper housing, transitioning the pup to solid food and release back to the wild after the pup reached adulthood. Two weeks later we received this follow up email.

*Hello again Amanda!*

*Our baby bat is doing so well! He eats voraciously and has been growing more fur. We think he's gained weight, but our scale can't quite pick up his weight yet. We are really happy with his progress and we keep reading the chapters you sent to ensure we are ready for his change in diet and release. I had another bat delivered to the vet clinic today. She is older, as she is about twice our other bat's size and has a lot more fur. She looked like she was dehydrated and malnourished, and she was covered with tiny red mites. I was wondering if you had any recommendations for mite control. I would like to house the 2 of them together, as one of your articles indicated that crevice bats do much better when they aren't alone, but I fear transmission of mites and any other pathogen. What are your thoughts? Thank you in advance for your time. I truly don't want to burden you, but I feel like you and Bat World Sanctuary are the best resources I have to keep these guys alive. Thank you.*



We responded by sending additional book chapters on ectoparasite removal on infant bats and the fact that mites are somewhat common on infant bats but they are species specific (meaning they do not live on people or domestic pets). We also concluded that the pups were the same species and would benefit greatly from each others company. In September we received the following news:

*Hello again Amanda!*

*I wanted to give you a quick update on our bats and ask a bit of advice I couldn't glean from your book! About 2 weeks ago, both bats escaped from their cage outside. We assumed the female (she was maybe 6-8 weeks old) flew away, as we couldn't find her anywhere. The young male was just outside the cage and uninjured, and is currently doing great! We started feeding mealworms the day the female escaped, which has dramatically improved the coat of the male bat. When he was on the milk supplement he wasn't growing much fur. The female was actually losing some fur, so I was anxious to switch them to worms since your book described that the soft food diet can reverse a lot of problems with nutritional deficiencies. Anyway, the male grew a thick, soft coat,*



*and he weighs about 6 grams now. Last weekend I built him a flight cage, and he is able to fly off of my hand to the opposite wall of the cage (~5 feet) without trouble. He seems to like flying, as he readily eats afterward and is fairly active. He looks very healthy, and I am wondering what your advice is regarding him being released. A question I have is whether or not a colony will accept him. Our friends have some bats in the eaves of their house, but I don't know if we tried to introduce him to their home if they would accept him or not. I am quite fond of him, and want him to have the best chance of survival. There are still quite a few bats flying around at night around our house.*

*I'm getting nervous about releasing our bat! I want him to thrive and have shelter and be safe, and I have no idea how to ensure that! I wish I could tell him he could come back whenever he wants if he can't find shelter or food. This experience has totally changed my perspective on bats.*

We responded that several nights of flight exercise should do the trick and that the bats in the roof will likely accept the pup as most colonial bats are very gregarious and accepting of new roost mates. We also advised creating a soft release house to be placed close to the colony. It would allow the pup to leave on his own and return if he felt the need. The soft release house would also contain food and water.

Later that same day we received an additional email from the veterinarian, this time of greater concern. A local bat colony of about 300 bats were going to be exterminated because they were roosting in the attic of a church. We immediately responded that killing the bats could be illegal (depending on the species) and it would also be considered animal cruelty. Aside from that, dead bats would end up in the church walls and ceiling as well as inside the church, and it will take weeks for the smell to subside. Dying bats will also end up in and around the church where they could be picked up by children and pets. We provided our link on how to perform humane bat exclusions and also advised checking the local laws to see if the bats were protected. We were extremely relieved to receive this response:

*Thank you Amanda! I sent along the information and the link to the church pastor. I also educated the church staff on how beneficial bats are. Even better, it turns out it is illegal to kill bats in Japan (thankful for that!) The pastor is considering hiring someone to do an exclusion, or the church may even do it themselves following Bat World Sanctuary's guidelines. Either way, I am so thankful that no bats will be hurt or killed in the exclusion process!*

In October we received a follow-up email and photo (right) that the remaining orphan was still slowly gaining his flight skills for potential release. Had this tiny orphan not been found and the veterinarian not reached out to us, 300 bats could have lost their lives due to misconceptions and misinformation. It's amazing when a chance encounter with a baby bat leads to saving an entire colony of bats on the other side of the world.



# Goodbye Dear Friends

It is with great sadness that we bring news of the passing of Andy and Mr. Impley

ANDY



Amanda Lollar

It is with a heavy heart that we bring you the news that Andy, a Brazilian free-tailed bat (*Tadarida brasiliensis*), passed away on June 3, 2016, two months after his 15th birthday.

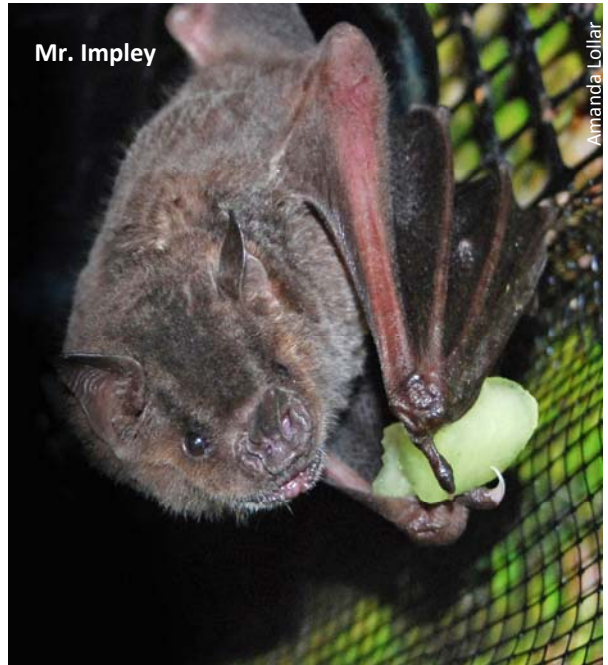
Andy was born at Bat World Sanctuary on April 12, 2001. Free-tailed bats are estimated to live 15 years in the wild, however, Andy's mother, Andrea, passed away in 2011 at the age of 19. Andy was an accidental birth and part of

a behavioral study conducted on the mating behavior of *T. brasiliensis*, published in the Southwestern Naturalist.

Andy never learned to feed himself in captivity so he was hand fed twice daily every single day. During his life span with us he received 11,052 hand fed meals. Goodbye sweet Andy, you are sorely missed, especially twice a day at feeding time.

Mr. Impley, a Jamaican fruit bat (*Artibeus jamaicensis*) was retired to Bat World with over a dozen more of his kind in 1994. The bats were involved in DNA research. The project involved taking notches from the ears as well as toe samples from the bats. Despite being subjected to this Impley remained trusting of humans and looked forward to his daily honeydew treats. During the last year of his life Impley developed arthritis which left him unable to groom so he was gently brushed every morning by his humans. Mr. Impley passed away on June 27, 2016, leaving an empty spot in the hearts of everyone at Bat World Sanctuary.

Mr. Impley



Amanda Lollar

# Educational Efforts

*Your donations have allowed us to reach over **2.7 Million** people this year through educational events and online videos and posts. From classrooms to the Internet, we are making a difference for bats around the world.*

## EDUCATING ADULTS



*We actively work with Animal Control agencies to safely rescue and release bats instead of euthanizing them when there has been no reported contact, thereby saving the lives of thousands of bats*

- Bat World Sanctuary presented programs at the Texas Unites for Animals conference in Austin in April, 2016, and we will be presenting workshops again at the 2017 conference.
- In 2016, Bat World presented three one-day bat rehabilitation workshops, with a total of 22 participants (classes are small, averaging six to eight participants, in order to provide the best possible learning environment).
- Animal Control officers from several agencies have attended the Bat World one-day bat rehabilitation workshop this year, increasing the number of trained, qualified rescuers available to help bats in need.
- In 2017, we anticipate presenting three workshops in Texas, as well as one in Idaho. Our students this year came from California, Maine, Texas, and Florida, and included rehabilitators, Animal Control officers, and veterinarians.

## EDUCATING CHILDREN



*Director Kate Rugroden giving an educational presentation to Texas school children.*

- We presented over 50 public education programs with over 2000 attendees.
- We are currently working with a large charter school to coordinate educational bat presentations via their I.T. network. The presentation will reach an estimated 35,000 students across 70 campuses.
- This year we have consulted with several Eagle Scout candidates on bat house projects in their communities in the Dallas/Fort Worth area.
- We are working with three First Lego League teams via Skype and email on their projects to help bats. The teams consist of four students, from 4th through 8th grade, in a program that allows the students to program a robot, create an innovative solution to a formulated prompt and work as a team.
- Bat World Sanctuary was a guest host on the SiriusXM Radio program Nat Geo Kids' "Weird but True Show", dispelling myths and answering questions about bats.

## EDUCATION, continued

*Bat World Sanctuary worked with dozens of educators across the country, often providing free literature to support their efforts for bats. Below are two of the many educators actively working to educate others about the plight of bats.*

### PENNSYLVANIA



Teacher Heidi Mark with student Marquis.

The compassionate students of Wordsworth Academy in PA worked very hard through bake sales and coin collecting to raise enough funds to sponsor two bats at Bat World Sanctuary. They greatly exceeded their goal, raising enough to sponsor 13 of the 15 available bats at Bat World! Once we heard of their amazing efforts (and that they felt bad about leaving two bats out) we immediately let them know that all 15 sponsorships were headed their way. It's incredible teachers and students like these that make our world a better place and bring hope to the future of bat conservation.

From Heidi Mark, MEd. teacher at Wordsworth Academy: *"Our school has 2 programs on our campus. They LOVE learning about animals and conservation in general. When I began this project, Buck for Bats, at the beginning of October, I told the students my goal was to collect enough coins to sponsor 2 bats. As of today after the amazing bake sale, we have collected enough to sponsor 13 bats! All of the classrooms have cans they have been using to collect coins. I am really looking forward to the final total. This has been a true labor of love! We work very hard with the kids to understand the value of giving back and helping the earth and all its creatures. I teach earth and animal conservation to our younger students and they have really acquired a true appreciation for all forms of life. I could not be prouder of our students! They come in with holes in their pockets and coins in their hands."*

### NEW JERSEY



Bat World supporter Greg Henderson promoted bat conservation at a display table at an Eco-Fair in Wheaton Village, NJ, an event that draws about 1,800 visitors annually. Greg's table featured our free educational literature about bats, bat books and posters on pollination. Greg states: "We all did our best to spread the word about the many benefits bats provide."



# Activism in 2016

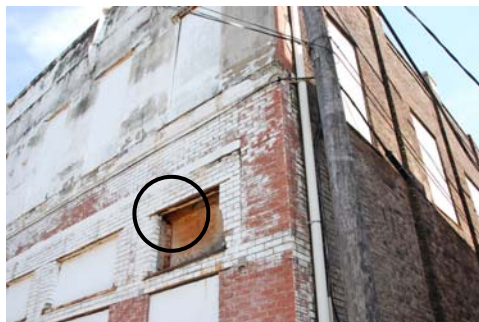
## SAVING THE BATS OF PALESTINE, TEXAS



*Bat World's Director of Special Projects, Kate Rugroden, met with residents and local officials from the City of Palestine to discuss how best to handle the humane removal and ultimate preservation of several large colonies of bats from historic buildings in the downtown Palestine area.*

In May 2016, Bat World was called on to assist the city of Palestine, TX, in developing a plan to humanely remove large numbers of bats from several historic buildings in the city's downtown district. Palestine is home to more historic buildings than any other city in Texas except Galveston, so there are a number of buildings involved. Bat World Sanctuary partnered with the East Texas Master Naturalists to identify a bat house design that would work well, and the Master Naturalists are currently working on installing bat houses on the first buildings.

Several ideas were discussed, including installing bat houses in close proximity to the entrances the bats are using to access the buildings (circled on the photos right and below) and installing 'rocket' style bat towers throughout the city. We also covered ways to engage the community, such as a bat fair, bat house building events, educational programs, and news articles/press releases. One promising idea being considered is creating a sanctuary that has sufficient space around it for a decent perimeter as well as places to build patios for viewing.



The project is expected to take several years to complete, given the number of buildings involved. The East Texas Master Naturalists will be active participants, assisting with outreach, public education, and building bat houses. Bat World Sanctuary's involvement will include consulting on design and placement of bat houses, educational programs and materials, and providing contact information for additional resources.

We are extremely pleased to be part of this wonderful initiative, and the enthusiasm demonstrated by the people of Palestine for protecting the bats is encouraging beyond measure.



Robin and Mike Dwyer from Tomball, Texas noticed that a few babies had fallen from their bat house the day after seeing our post on Facebook about the importance of creating pup catchers for bat houses that hold maternity colonies. The couple immediately went to work installing a pup catcher, a very simple device created by Bat World Sanctuary.

Pup catchers are designed to allow pups who accidentally fall to climb back into a bat house. It takes minutes to create, costs less than \$10, and it can save dozens of lives. For free pup catcher instructions please see [bat-world.org/bat-house-pup-catcher](http://bat-world.org/bat-house-pup-catcher).

### PROMOTING PUP CATCHERS NATIONWIDE



### PROMOTING HUMANE BAT EXCLUSIONS

#### Bat infestation closes emergency room

KILGORE — An East Texas emergency room has been closed after small bats began to spread through the building.

In a statement posted Tuesday night on the Kilgore Police Department social media pages, Good Shepherd Medical Center said “a number of small bats” had moved into the Longview-based hospital’s free-standing emergency room in nearby Kilgore. The bats had moved into the building’s walls and ceilings, with some migrating into the area that receives ambulances.

Good Shepherd says it’s working with the City of Kilgore, which owns the building, and Allegiance Specialty Hospital, which manages it, to get the bats removed. In the meantime, Good Shepherd had decided it’s in the best interests of its patients and staff to suspend emergency medical services in the building until the bats can be removed.

*The Associated Press*

After learning that bats had taken up residence in the emergency room of a hospital in Kilgore, Texas, we contacted the hospital to offer help. The hospital informed us that the issue was “being handled by the city” so we then called the city manager to offer guidance. We were then told that the bats were being manually removed and the entrances the bats were using would be sealed. This method actually makes issues such as this much worse because bats who are hiding in the walls and ceiling will be trapped and die, or come through vents or holes in the ceiling where they can easily come into contact with the public. A humane exclusion is the **only** method that works in evicting bats without causing loss of life.

We contacted the local game warden in Kilgore who thankfully responded quickly. By the time he arrived at the emergency room a city worker had already removed and killed about a dozen bats. The game warden halted the removal work and contacted the city to insure that a humane exclusion would take place. He also mandated that any bats found injured or grounded would be sent to Bat World.



## I SAVED A BAT BUTTON!

Our "I Saved A Bat!" button, created by Cassandra Gearhart, is a small reminder to the public finding bats that we are very grateful for the lives they have saved. Some of our favorite bat rescuers are the McWorter Family in Mineral Wells, Texas. They have rescued two bats so far this year, bringing the bats safely to Bat World Sanctuary for treatment.



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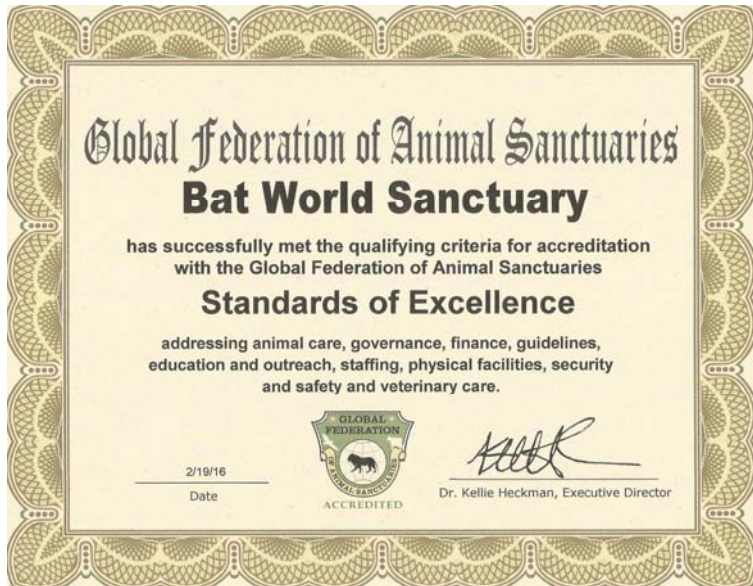
## ADDITIONAL ACTIVISIM IN 2016

- Succeeded in getting an online article promoting animal cruelty (by stepping on bats) removed from the internet and encouraged the author to instead promote kind and compassionate methods of dealing with encroaching wildlife.
- Attended an inaugural meeting of the Cross Timbers Bat Initiative near Lake Lewisville, Texas to work toward installing bat towers in parks along the lake, encouraging residents to build/install bat houses, and educating the community about the importance of bats.
- Chaired the Stakeholder's committee for the White Nose Syndrome National Response team for the USFWS, and worked as an active member of the Conservation and Recovery Working Group's Captive Management subgroup.
- Approved by the Texas Department of State Health Services to provide 19.5 hours of continuing education credit for Animal Control officers; approved by the Texas Department of Agriculture to provide 3 hours of continuing education credit to Structural Pest Control operators for our Bat Basics class.
- Helped a group of high school students in Irvington High School in Fremont, California with a research paper on bat habitat destruction.
- Provided fact checking for nationally syndicated comic strip King Features Syndicate.
- Worked with the Wild Animals Foundation in Sofia, Bulgaria with issues regarding bats inhabiting urban buildings and appropriate/humane exclusion methods on 10 story buildings scheduled for renovation.
- Continued to promote humane handling techniques to bat research groups and symposiums.
- Helped a small university in Alabama with a large colony of bats living in a building scheduled for demolition. Using our guidelines, the bats were humanely excluded and many of the bats then moved into bat houses that the campus had mounted on nearby buildings before the exclusion took place.
- Assisted a veterinarian in Oklahoma with advice on neutering captive fruit bats to prevent overpopulation in a zoo.
- Supplied free resources and instructional videos to assist a microbat workshop in Australia.

# Achievements & Awards

## Bat World Sanctuary Earns Accreditation from Global Federation of Animal Sanctuaries

“Bat World Sanctuary truly maintains the welfare of the bats as their highest priority as demonstrated by their individualized intensive care of non-releasable bats and the extremely high survival rates of the bats they rescue, rehabilitate and release back into the wild”, says, Kellie Heckman, Executive Director of GFAS.



“It is heartwarming to know that animals that are so often misunderstood and mistreated are receiving the high quality, life-long care and respect they deserve at Bat World Sanctuary.”

Achieving GFAS Accreditation means that Bat World Sanctuary meets the rigorous and comprehensive definition of a true sanctuary and as such provides humane and responsible care for bats and meets the rigorous standards for operations, administration, and veterinary care established by GFAS. GFAS is the only globally recognized organization that provides a method for identifying legitimate animal sanctuaries, rescues and rehabilitation centers. The accreditation status provides a clear and trusted means for public, donors, and government agencies to recognize Bat World Sanctuary as an exceptional sanctuary.

## ADDITIONAL ACHIEVEMENTS

- Thanks to our wonderful supporters, we succeeded in our goal of making Bat World Sanctuary a “Forever Place for Bats in Need” by starting 2016 debt free after the construction loan was paid in full in December of 2015.
- Thanks to the help of generous donors, we secured back-up generators for the facility to insure the tropical bats remain warm during ice storms or downed power lines. This was a critical need as these bats can perish if they become too cold for any length of time.

- Helped the bat caregivers of the Riverina Region of New South Wales obtain an incubator for orphaned and critical need bats as well as a flight tent needed for pre-release flight exercise.
- Assisted the Batavia Flying Fox Sanctuary with fundraising for fruit bat orphans in Australia.
- Received feedback from a researcher from Texas Wesleyan University who called to thank us for our book *"Standards and Medical Management for Captive Insectivorous Bats."* The researcher stated that our book proved invaluable to them in their wind turbine studies funded by the US Department of Energy. The research involved determining if bats were attracted to the turbine blades (thinking the flat surface might be water). The bats were kept for one week and then released back to the wild. Using our humane captive standards for bats no fatalities were suffered and the success rate was 100%.
- Made the Sierra Clubs "Top Five Wildlife Cams to Watch." (For more information see [batworld.org/bat-cams](http://batworld.org/bat-cams))
- Bat World Sanctuary was featured in or promoted positive press about bats in dozens of media outlets across the US including Arkansas City, Kansas; KHOU 11 News in Houston, Texas; The Flower Mound Gazette in Texas; KLTN in Palestine, Texas; The Keene Sentinel in New Hampshire; The Senior Voice in Dallas, Texas; Green Source DFW in Texas, and AM New York in NYC, New York.
- Concluded 2016 with over 215,000 fans on our Facebook page and 7,800 YouTube subscribers with 95 videos and almost nine-million views.
- With funding from a very generous grant, we constructed a caregivers residence (pictured below) adjacent to the main facility on Bat World's 13 acres. On-site quarters for a caregiver will allow the organization to move forward with a sound transition plan. Having a caregiver on-site will also provide for solid continuity of care, ensuring that the standards for bats we have established over the past 22 years continue to be met or exceeded in the future.



*In August of 2016 we completed a caregivers residence on Bat World's property, within walking distance of our main facility. (Grass had been planted but not yet grown when photo was taken.)*

## THE CAROLE NOON AWARD FOR SANCTUARY EXCELLENCE



*Founder Amanda Lollar feeding Ernie, whose story is on page 18*

Washington DC –

The 2016 Carole Noon Award for Sanctuary Excellence recipient was announced by the Global Federation of Animal Sanctuaries (GFAS). This year Amanda Lollar of GFAS-accredited Bat World Sanctuary was singled out for her leadership in supporting the welfare of bats as a caregiver, educator and advocate.

The Carole Noon Award for Sanctuary Excellence is given annually to a sanctuary or individual who embodies and puts into practice the GFAS philosophy of vision, dedication and excellence in animal care. It memorializes Carole Noon, founder of Save the Chimps in Fort Pierce, Florida, the world's largest chimpanzee sanctuary.

"For decades, Amanda has been a tireless champion for this often misunderstood, maligned and underserved group of animals," says Kellie Heckman, GFAS executive director. "She is the expert in captive bat care and management and an inspiration to all for her passion and dedication. We are excited and honored to provide her with the recognition she deserves."

Amanda Lollar founded Bat World Sanctuary in Weatherford, TX in 1994, after rehabilitating her first injured bat in 1988. Amanda has since volunteered her time seven days a week, 365 days per year, 12 to 16 hours per day. The Sanctuary

currently cares for over 200 permanent residents. Over the past two decades, Amanda has personally saved the lives of thousands of bats, including over 2,000 starving and injured orphaned bats which were hand-raised and released back to the wild.

Lollar shared her thoughts about the achievement, saying, "Bats are miraculous creatures that deserve our protection. They are highly intelligent, have remarkable language skills, and form deep social connections. It has been my life's work and my greatest joy to defend and support the species. I thank GFAS for this monumental recognition and for all they do to protect the animals of the world by making certain Dr. Noon's passion and compassion lives on."

"Amanda has trained over 400 zoologists, veterinarians, and other animal care professionals from every bat-inhabited continent in the world. It is not an



exaggeration to say that Amanda has saved hundreds of thousands of bats across the globe due to her hands-on ability and her willingness to share her knowledge. We are so very grateful to GFAS for bestowing this much-deserved award upon Amanda, who makes us proud each and every day,” elaborates Dottie Hyatt, Vice President of Bat World Sanctuary.



*BWS staff and Board of Directors. Top row, left to right: John Hyatt, Volunteer; Dottie Hyatt, Vice President; Amanda Lollar, Founder & President; Terri Smith, Secretary & Assistant Director; Casey Hase, BWS Intern of the Year; Kate Rugroden, Director of Special Projects. Bottom Row, left to right: Moriah Cognac, Assistant Animal Caregiver; Larry Crittenden, Volunteer and husband of Amanda Lollar.*

### About Global Federation of Animal Sanctuaries:

Global Federation of Animal Sanctuaries (GFAS) is a 501(c)(3) nonprofit organization dedicated to the sole purpose of strengthening and supporting the work of animal sanctuaries worldwide. The goal of GFAS in working with and assisting sanctuaries and rescues is to ensure they are supported, honored, recognized and rewarded for meeting important criteria in providing care to the animals in residence. GFAS was founded in 2007 by animal protection leaders from a number of different organizations in response to virtually unchecked and often hidden exploitation of animals for human entertainment and financial profit. The GFAS Board of Directors guides the organization’s work in a collaborative manner. They represent top leadership from Born Free USA, The Humane Society of the United States, International Fund for Animal Welfare, and American Anti-Vivisection Society. For more information, visit: [www.sanctuaryfederation.org](http://www.sanctuaryfederation.org).

*On October 26th a ceremony was held at Bat World Sanctuary to present The Carole Noon Award for Sanctuary Excellence to Amanda Lollar.*

*Pictured right are GFAS Board Chair Dr. Allan Kornberg, Amanda Lollar and GFAS Executive Director Kellie Heckman.*



# Special Acknowledgements



Amanda Lollar

After our oxygen generator bit the dust in late summer we found another one and added it to our wish list at Amazon.com. Within two weeks a new oxygen generator showed up at our door from an anonymous donor! The generator is critical in helping us save the lives of bats who have gone into shock from trauma or injury. (We have no way to thank this generous donor so we hope they see it here. ♥)

*A VERY SPECIAL THANK YOU to the following:*

*Jon Mills, Randy Turner, Laurel Rorher; Anne Ruddy; Shilo Abell; Sheri L. Harris; Marion Orso, DSW.com, Kathy Upham; Ariyana Saint-Jennings; Dede Bent, Patrick Wiggins, Mark Finke, Laura Gibbs, Timberline Worms, the Dallas Foundation; the North Texas Giving Day staff, and the Communities Foundation of Texas and Giving Day donors.*



Amanda Lollar

*Binky, an African fruit bat, enjoying his melon*

Bat World Sanctuary participated in North Texas Giving Day this year on September 22, with the goal of raising enough money to cover the entire food and medicine bill for the fruit and insect eating bats for 2017. Our donors were invited to watch us live that day as we went through our daily routine of cleaning enclosures, hand-feeding disabled bats and preparing bat food. We needed to raise at least \$35,000 to cover the cost of both food and medicine for 2017. The Giving Day donations, as well as the donations we received through PayPal and other means, totaled an astounding \$40,515!!!! To watch the footage of our live feed on Giving Day please visit [batworld.org/inside-bat-world/](http://batworld.org/inside-bat-world/)

# Fundraisers

Peekaboo works so hard on her daily walks. She really needs your help to raise money for bat rescue! Please help her out by downloading the free app, then choose Bat World Sanctuary, and start walking!



Download the free ResQwalk app on your phone and join the hundreds of other supporters who walk with Peekaboo, earning pennies for bat rescue with every step! The app also lets you set a weekly goal and share photos with like-minded supporters. Use it while walking the dog, jogging, playing Pokémon Go or simply grocery shopping!

**amazon**smile  
You shop. Amazon gives.

Shop at Amazon.com and Bat World Sanctuary gets a percentage donation directly from Amazon!

1. Go to [smile.amazon.com](https://smile.amazon.com)
2. Select your charity
3. SHOP!



Please sign up and choose Bat World as your charity at [smile.amazon.com](https://smile.amazon.com)! It costs you nothing and bats reap the benefits. Amazonsmile deposits quarterly donations directly to our account. The last amount we received from amazonsmile was over \$1,240!





## BAT WORLD SANCTUARY JOINS CARINGCENT!

We have joined CaringCent to offer our donors a secure and valuable way to support our mission. When you register a credit/debit card with CaringCent, you can donate your checkout counter change from your purchases to Bat World instead of a charity chosen by the merchant. CaringCent will automatically round your purchase to the nearest dollar, with the difference going to save bats. You can cap the change given monthly to any amount over \$10. It's the modern day version of dropping your coins in the change jar at the checkout counter! Here's how it works:



Dinner total = \$41.75



Round up to \$42.00



\$0.25 cents donated



Food for rescued bats!

Visit <http://caringcent.com/batworld/> to sign up. If you don't see your bank listed as available to participate please put in a request that it be added. Thank you so much!

## BAT WORLD WINES!



This Collector's Pack of wines, complete with Bat World Sanctuary labels, includes one bottle each of Cabernet Sauvignon, Merlot, Chardonnay, Malbec, Pinot Noir and Sauvignon Blanc. Order one bottle or the entire collection! The taste is even sweeter when you know you are saving lives with every sip. Visit [batworld.org](http://batworld.org) to order!

## CALENDARS, CARDS AND MORE



Our high quality 12-month wall calendar. Choose your own start month and year (so you can order at any time of the year). Pages measure 11" x 8.5" with the unfolded calendar measuring 11" x 17". Made from 100 lb cover weight high gloss paper, wire-bound. Full-bleed, full-color printing. Features a different bat for every month of the year. Available at [cafePress.com/batworld](http://cafePress.com/batworld)



Daily clicks for Bat World helps us save orphans and costs you nothing. Please sign up at [shopforyourcause.com/click-to-donate](http://shopforyourcause.com/click-to-donate)



# Introducing batworldstore.org

When you buy a plush bat...



it helps us save a real bat.



Shop and save lives at batworldstore.org

We now have a small store linked to the Bat World Sanctuary website at batworld.org featuring numerous bat products, a few of which we have included on the opposite page. In addition to t-shirts we have bat houses, books, jewelry, mouse pads, key chains and plush bats (featured above, left to right: Plush Gertrude, \$11.95; Plush Mildred, \$11.95 and Bart the Bellybutton Bat, \$17.95). **100% of the proceeds from all items bought at batworldstore.org goes to help our worldwide rescue efforts for bats.**

## Our "Ask Me Why I Love Bats" t-shirt

Our newest t-shirt design by Bat World Sanctuary. Printed on soft-spun cotton. Starting at \$19.95. Available at bat-worldstore.org. More on next page.

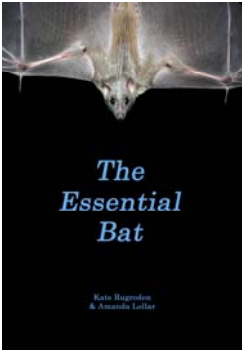




### Bat Filigree Pocket Watch

A 1.8" diameter pocket watch in antique silver finish featuring a filigree bat. The back is finely detailed and the front opens to reveal the face of the watch. Quartz Movement (battery included). Lead safe, Nickel safe. Comes with an antique silver-finish chain and in a velveteen bag. \$22.95

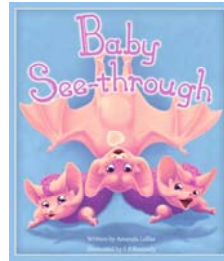
### Books



A little book that provides a lot of knowledge about the essential role bats play in our environment. Color photos include several of Bat World Sanctuary's rescued bats. 85 pages. \$9.95



Lil Drac, the true story of a tiny and incredible orphaned bat rescued by Bat World Sanctuary, but whom, in return, went on to save our organization. 36 pages, 22 color photos. \$9.95



A learning opportunity about the natural history of bats as well as a message about bullying. It is a story of how a baby bat came to love herself, and be loved because she is different. 100% of the proceeds from the sale of this one-of-a-kind book benefit Bat World Sanctuary. Written by Amanda Lollar, Founder, and Illustrated by renowned artist Sarah Kennedy. Includes a beautiful book-mark and a "color me" card. \$9.95



### Smiling Chubby Bat Pin

A vintage JJJonette pin made of pewter with enamel paint and a push pin clasp. Measures 1.5" x .5". \$15.95



### Peekaboo Earrings

Hand-made from recycled cereal box cardboard. After painting, the earrings are coated with Platina dewaxed shellac providing durability and resistance to water. The posts are surgical steel. \$12.95



### Fruit Bat Car Charm

A finely detailed fruit bat with outstretched wings measuring three-inches across. Suspended from a black braided cord. Hand made of resin by Dellam-orteco. \$12.95



### Batty Pink Rhinestone Key Chain

This smiling little bat can be used as either a key chain or a car charm. The wings are movable as well! Comes in a velveteen bag with a drawstring tie. \$13.95

# Bats in Your Pantry!

*The bat symbol represents ingredients either brought to you by bats or protected by bats.*

## Vegetable Chili

- ♥ 1 Tbsp vegetable oil
- ♥ 1 cup chopped onions
- ♥ ¾ cup chopped carrots
- ♥ 3 cloves garlic, minced
- ♥ 1 cup chopped green bell pepper
- ♥ 1 cup chopped red bell pepper
- ♥ ¾ cup chopped celery
- ♥ 1 Tbsp chili powder
- ♥ 1 ½ cups chopped fresh mushrooms
- ♥ 28 oz can whole peeled tomatoes with liquid, chopped
- ♥ 19 oz can kidney beans with liquid
- ♥ 11 oz can whole kernel corn, undrained



- ♥ 1 Tbsp ground cumin
- ♥ 1½ tsp dried oregano

Heat oil in a large saucepan over medium heat. Sauté onions, carrots, and garlic until tender. Stir in green pepper, red pepper, celery, and chili powder. Cook until vegetables are tender. Stir in mushrooms, and cook 4 minutes. Stir in tomatoes, kidney beans, and corn. Season with cumin, oregano, and basil. Bring to a boil, and reduce heat to medium. Cover and simmer for 20 minutes, stirring occasionally.

- **Vegetable Oils:** Bats grease their palates with the cutworm moths, grasshoppers, thrips, lygusbugs, sunflower moths, cabbage seed weevils, brassica pod midges and pollen beetles that destroy the vegetables we press into oils.
- **Carrots:** “What’s up doc?” Unless bats are around, carrot eating root flies, rust flies, carrot beetles, leafhoppers, armyworms.
- **Garlic:** Leafminers destroy garlic and bats destroy leafminers. And some people think bats are repelled by garlic. Tsk-tsk.
- **Peppers** - (all varieties): Bats make casseroles out of the corn borers, earworms and armyworms that eat our peppers.
- **Celery:** The cutworms, cabbage loopers, leafminer, corn earworms, armyworms, carrot weevil leafhoppers are the bugs that stalk our celery are mere tummy ticklers for bats.
- **Mushrooms:** Sing this to the tune of “Soup and Salad”: Gnats and midges, gnats and midges, gnaw together on mushroom ridges. In any kind of weather, gnats and midges go together.
- **Tomatoes:** (all varieties): You say to-ma-to, I say to-mot-to. Bats say fruitworms, beetles and leafminers.
- **Beans** (all varieties): “Beans, beans are good for your heart...” and bats are good for beans because they eat loopers, Japanese beetles, earworms, leafbeetles, Mexican bean beetles and stinkbugs.
- **Corn:** Corn leaf aphid, corn borer moths, armyworms, cutworms and rootworms all munch on our precious ears of corn. Corn borer moths are a favorite snack of the Brazilian free-tailed bat. The 20 million free-tailed bats that live in Bracken Cave in Texas eat 250 tons of insects every single solitary night!
- **Basil:** Repeat this five times as fast as you can: “Beetles bug basil but bats bully beetles.”

# Letters

*Sharing a few of the many messages we received in 2016. Receiving notes like these means more to us than we can fully express! We hope you enjoy reading them.*

*I watched your bat cams and am totally amazed. This site has definitely changed my thinking about bats. I got to see an over-zealous "treat receiver" at treat time. The lady giving treats pulled the treat back slightly and said, "No. Be easy. Remember?" and the second attempt was much nicer. He took the fruit very gently.*

*I would like to thank all of you at Bat World for your tireless efforts in helping these beautiful creatures. I have to admit that I did not like bats because I did not know about them but now LOVE them. So again thank you for all your hard work and dedication!*

Hello,

Last night, I came home and there was this little bat on the screen of my bedroom window. I didn't think much of it until this morning when I woke up and he was still there. I looked up what to do and found your site. I called on Jacqui S. at the early hour of 7:30 am and she was so pleasant. Even though she was off that day, she made the trip out to my apartment, gently pulled the little fella off the screen, gave him the once over and a worm to eat, and then assured me she would take care of him. I am so appreciative of the work that you and your volunteers do. I really appreciate Jacqui's positive and helpful attitude. I know this experience with that little bat is probably once in a lifetime so I wanted to make sure to let you know that there are people out there who appreciate what you and people like Jacqui do. I'm so happy that little bat is going to be okay.

*The way you handle these amazing creatures just touches my heart and soul, and I can tell the little injured bats know you are there to help them. ❤️*

I just wanted to let you know how much good you do... The other night a bat flew into the house when I walked through the door. I think before following your page I would **not** have stayed calm and collected. The bat flew into the bedroom so I just closed him in, calmly went and got my bird catching net that I have had for years and never used, again calmly walked in, put up the net as he flew by, and calmly took the bat outside where he flew away! Neither of us, me or the bat, got excited, were stressed or injured! THANK YOU FOR THE EDUCATION!

*Thank you your tireless efforts on behalf of not only bats, but all of the people who want to help them. The little evening bat we rescued is doing very well. Without your advice and support she would not have lived. Thank you so much!*

*I have always loved bats and always wanted one as a pet/companion. The first site that popped up during my search on how to care for a pet bat was yours.. After reading I now understand that I would only be harming a bat if I tried to love one as a pet. I'm very glad I found your page before I started planning the buying process. They are beautiful and misunderstood creatures and the emotional pain a bat feels when kept as a pet isn't something anyone who claims to love bats would/should inflict. I would still love to have the opportunity to hold and care for one but I now understand it wouldn't accept and feel my love the way a dog or cat would. So thank-you for stopping me from making a terrible mistake and causing something I love extreme emotional distress. I hope all who have the same hope I had to own a bat finds your page and change their mind the way I have. Hopefully I can find a sanctuary in my area to volunteer.*





## Loving Tributes

- ♥ *In Memory of my dad, Jim Sparks, who was a true environmentalist. He would have loved your sanctuary. - Lori Sezio*
- ♥ *In honor of my husband, Dr. Jack Ciliberti. - Mrs. Molly Ciliberti*
- ♥ *In Loving Memory of Brianna Von Gries - Alexandra Von Gries*
- ♥ *In Honor of Drac Maken's - Justin PropProkop*
- ♥ *In Memory of my daughter, Chappell Hope - Charles Hope*
- ♥ *In Memory of John Schulke - Bud & Virginia Schulke*
- ♥ *In honor of my friend, Tara McDowell, who died of cancer on May 20th last year. She was 37. She loved bats so much, and was a fan of Bat World Sanctuary. I bought a Bat World t-shirt in her Honor and have the shirt tucked away in my dresser and am waiting until May 20th to put it on.*
- ♥ *In Memory of Nipper, Twigga, Gigi, Nutmeg and Cinnamon. - Brenda Malinics*
- ♥ *In Memory of Chessie. - Barbara Esten*
- ♥ *In Remembrance of Peppertop. - Jean Thompson*
- ♥ *In Honor of Maizie and in honor of all animals who need rescuing. - Laci-Ann*
- ♥ *In Memory of Ham, the best dog friend in the world, RIP. - Love Bat Ham and Reily... Greg Joder*
- ♥ *In Honor of Mia Prochaska. - Jane Sullivan*
- ♥ *In Memory of Isis - Carol A. Hunterton*
- ♥ *In Memory of Isis the Egyptian bat that passed away on November 5th, 2015.*

♥ *In Loving Memory of my Dearest friend Lori Austin who came to Bat World's Workshop in 2015. She lost her fight with cancer on June 1st. Thank you so much for allowing her to have the experience; it truly hugged her heart. She was an extraordinary human being. - Lori Sanderson*



# Sponsor a bat in need for \$35!



## Your sponsorship package includes:

- An adoption certificate listing you as the official sponsor.
- The personal background of your bat.
- The natural history of the species.
- A matted photograph of your bat, suitable for framing.
- A graphic that represents the actual size of your bat.
- A one-year online membership to BWS that includes *BAT WORLD's* magazine.
- A personalized message for a gift Adopt-a-Bat. Our standard gift card message reads: This "Adopt-a-Bat" sponsorship has been made in your name by (giver's name). Your sponsorship package includes a one-year membership to Bat World Sanctuary, our *BAT WORLD* magazine and an informational card on bat rescue. Enclosed you will find a 5" x 7" photo of your adopted bat, who thanks you from the bottom of its little bat toes for the food and medical supplies your gift has provided.



Mildred



Sticky



Bootsanna



Please enter the name of bat(s) you wish to sponsor: \_\_\_\_\_

Name as it should appear on the certificate: \_\_\_\_\_

Email address (to receive our online magazine) \_\_\_\_\_

**NOTE: We do not sell, trade, or share your personal information with anyone.**

**BILLING INFORMATION:**

Name: \_\_\_\_\_ Phone \_\_\_\_\_ Date \_\_\_\_\_

**SHIPPING ADDRESS:**

Name (if different than above): \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Total of sponsorship (**Please remember to include \$5.00 shipping, USA only**): \_\_\_\_\_

Check enclosed \_\_\_\_\_ Charge \_\_\_\_\_

Credit Card Number: \_\_\_\_\_ Exp. Date: MO \_\_\_\_\_ YR \_\_\_\_\_

**NOTE: If this is a gift Adopt-a-Bat please include any special instructions, such as a special message, on a separate piece of paper.**



## WHY SAVE BATS?

Roughly one of every four mammals on earth is a bat. Consider this: if your day includes soap, toothpaste, cosmetics, coffee, margarine, chewing gum, candles, paper, ink, wood, fuel, rope, twine, rubber, spices, vegetables, fruits, chocolate, margaritas, air fresheners or even life-saving medicines, you are not only involved with bats, you are likely dependant upon bats. Bats are among the most beautiful and beneficial animals on earth. They are clean, gentle and intelligent. Bats are vital for healthy ecosystems and enhance our lives in

many ways. Fruit and nectar bats bring us approximately 450 commercial products and 80 different medicines through seed dispersal and pollination. Up to 98% of all rainforest re-growth comes from seeds that have been spread by fruit bats. Insect-eating bats are literal vacuum cleaners of the night skies, eating millions upon millions of harmful bugs. They protect us by eating insects that destroy crops as well as insects that cause human disease.

Yet for all they do, bats are continually killed due to myths, superstition and fear. The life expectancy of a single bat may exceed 20 years, but slow birth rates limit their population growth. When just 5 bats are needlessly killed, a potential 100 years of animal life is destroyed. Worldwide, almost 60% of bats are either endangered or official candidates for listing, and they desperately need your help.

## HOW YOU CAN HELP

In a world where so many look away, Bat World Sanctuary is on the front line to end the abuse and destruction of bats. We have been recognized as the world leader in bat rehabilitation for nearly two decades. Each year we rescue thousands of bats that might otherwise die. Lifetime sanctuary is given to non-releasable bats, including those that are orphaned, injured, confiscated from the illegal pet trade and retired from zoos and research facilities. You can help us save bats by educating others about their plight, and by donating to Bat World Sanctuary.

Bat World Sanctuary was founded in 1994 and is a 501c3 non-profit, volunteer-based organization. Donations allow us to continue our rescue efforts for bats.

Bats are now in their 11th hour. We can save them, but we cannot do it without your help. Bat World Sanctuary is not state or federally funded, our funds come from caring people like you. Please join us in our efforts to save bats by making a donation and becoming a member of Bat World today.

**BATWORLD.ORG** offers free educational materials, videos, kid's games and rescue information. You can even sponsor a bat in need through our Adopt-a-Bat program. Sponsors receive educational materials and *BAT WORLD*, our conservation magazine that includes beautiful photos of rescued bats. You can also receive an online membership to *Night Flight News*, our e-newsletter, by simply making a donation of any size through [batworld.org](http://batworld.org).