



The Crash

Newsletter for rhino professionals

July 2016

Presidents Perspective:

Denver here we come! We are once again heading to Denver for our Rhino Keeper Workshop. A big thank you goes out to board member Chris Bobko for helping make this a reality. I'm very excited since it will be 14 years since our last Denver RKW. We will again be featuring international speakers and this time around a visit to the United States National Repository. This is the holding facility for all of the endangered species confiscated by the US Fish and Wildlife. While this will be a grim visit, it will help us keep our eyes open to what it is we are up against. If we don't step up our efforts now, rhinos could be gone in one generation. I personally can't imagine a world where my grandkids can't see and experience the amazing rhinoceros. For more details on the RKW see the article by Jonnie Capiro.

In this issue we have different perspectives on why you should consider using our professional development opportunities. Whether KPDP, attending an RKW or just visiting another zoo we can all learn from each other. The first article is by Ashleigh Winklemann from Potter Park Zoo. She participated in our KPDP program and had the opportunity to visit both Cincinnati Zoo and Columbus Zoo. She shares how she was able to bring back what she learned to her coworkers in Michigan and how she developed as a keeper. Our second article is written by Angie Snowie of Toronto Zoo. She shares why attending an RKW is well worth the effort! She also shares what she learned from these workshops and how it helped her team recognize issues with her rhinos. What she learned in 2013 may have contributed to the safe delivery of their newest charge, Nandu a greater one-horned rhino born in February. Thanks Angie for sharing about how Rhino Keeper Workshops have helped you grow as a keeper. What we learn and share really does save rhinos.

Our next article is from Janelle Jankowski of Jacksonville Zoo. She reminds us all of the RKW scholarship program that helps our members financially. Part of your membership dues help fund keepers to attend the workshop. Attending the 2015 Workshop in Chester was a first for Janelle. She shares how she too was able to learn from her international colleagues bringing home information that helped her team realize they needed a diet change for their rhino. Additionally by attending the RKW she was able to nominate the Save the Rhino International Dog Squad for a CARE grant sponsored by Jacksonville Zoo, one of our Supporting Institutions. Her passion for rhinos helped her zoo recognize that the Dog Squad was a worthwhile cause and they voted to help fund the program. Janelle shares the details in her article and is an inspiration to all.

Our training article this month is very informative. Board member Joe Hauser, and Dr. Scott Citino (White Oak Conservation Center) team up for an explanation of injection sites for rhinoceros. Reading this article helps explain why each area is used and how we as keepers can help our vets by desensitizing these areas.

If you haven't already (I still need to!) order your Rhino Conservation Calendar. There is information in this Crash for how your gift shop can purchase calendars in large amounts and get a discounted price.

I have written a short article about our Rhino Buddies program. We are in the process of revamping the program to make it easier for you to connect with potential Rhino Buddies. With our workshop scheduled for Denver, we will have international members who would benefit from membership in IRKA. This is your opportunity to "pay it forward." My new rhino buddy is Ofat Sofwatuddin Turmuzi. He works on an RPU in Ujong Kulon protecting Javan rhinos and runs a Facebook page called "Friends of Rhinos." Some of you already follow him. Welcome Ofat! "Selamat datang Ofat!" It would be great if we had 20 sets of Rhino buddies by the RKW. Who will become your new buddy?

Our election process is over and we will soon know who our board members will be. We had great choices and I'm sure all elected will do well, and those who did not make the board this time will continue to work hard for our organization.

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As the original leadership of the IRKA moves on you are our future. Please consider a run for the board next year if you think you can contribute. We need people who are dedicated to rhino conservation, are leaders, team players and know where to focus their skills and passion for rhinos. When you decide to run remember that someone from another institution should nominate you. The best way for that to happen is to attend the Rhino Keeper Workshop, consider speaking so we get to know you, share what you can contribute to our organization with others, and develop your network of professional contacts. Many of us use Linked In or other networking tools to maintain a professional network and to prepare for other professional opportunities, remember you are our future.

Again, I'm excited to know that with perseverance we can all make a difference.

Jane Kennedy

Learn. Share. Save.



Chuck and Eric, Rhino Buddies!

Keeper Professional Development Program: by Ashleigh Winkelmann– Potter Park Zoo

My passion for rhinos developed as an intern at the zoo where I now work. I didn't expect it, but I fell in love with their unique personalities and intelligence. Since then, I've done what I can to learn more about these amazing animals, so when the chance arose to work at not only one, but two zoos, I jumped at the opportunity. In May 2016, I headed south to Ohio to work alongside keepers at the Cincinnati Zoo & Botanical Garden and the Columbus Zoo & Aquarium.

My week began at Cincinnati where I worked with black rhinos and an Indian rhino. The awesome staff showed me different training techniques. We did some hoof work on the black rhinos, and I got to learn about how the keepers care for their rhinos' feet. I also got to tour Cincinnati's CREW center, where they are doing innovative research on rhinos and reproduction. Along with working with the rhinos, I got to help work with the bongos and okapi, which was helpful to me, as I work with various hoofstock species at my zoo.

My favorite day at the Cincinnati Zoo & Botanical Garden was the day I got to watch the rhino keepers move their Indian rhino from the lower building to her new holding area in the upper building. There was so much teamwork and planning put into the move. It was amazing to see so many people from so many departments come together to make the move safe and time efficient. The training and time that went into conditioning the rhino to walk into the crate safely was immense and speaks volumes to the care that goes into keeping the rhinos healthy not only physically but mentally as well. The rhino was transferred to her new holding and was adjusting well when I left that day. It was a tremendous learning experience.

After leaving Cincinnati, I made my way to the Columbus Zoo & Aquarium. There I met an amazing group of rhino keepers who are passionate about rhino husbandry. I learned about how they care for their black rhinos and how they educate the public about the importance of rhinos and the poaching crisis through keeper talks and public fundraisers.

We bounced ideas off of each other about training, enrichment, and our upcoming Bowling for Rhinos fundraisers. I got to learn how keepers trained their rhinos to allow their teeth to be brushed, and I got to share how we have trained our black rhino to present the bottoms of her feet for foot care. It was a wonderful exchange of information, and it reminded me how important it is to see how other people care for rhinos so that the rhinos at both institutions can benefit.

My experience was truly memorable, and I am eager to implement some of the skills that I learned from my times at Cincinnati and Columbus at the zoo where I work. I would encourage others to look into participating in the Keeper Professional Development Program.



Why attend a Rhino Keeper Workshop? by Angie Snowie– Toronto Zoo

So did you hear? The 2017 IRKA Workshop is going to be in Denver Colorado August 7-11! Can't wait!

My name is Angie Snowie and I am a Greater One Horned Rhino Keeper at the Toronto Zoo, in Canada.

I have been a professional member of IRKA since 2013, which means I am a pretty new member. I have only attended 2 workshops, 2013's San Diego Zoo Safari Park's Workshop in California and 2015's Chester Zoo's Workshop in England.

If you are a rhino keeper and have never attended an IRKA workshop before, what are you waiting for??!

Attending these two IRKA workshops has greatly impacted my rhino's lives and their future at the Toronto Zoo will be much healthier and happier than if I had never attended a workshop.

In San Diego, the presentation from IRKA President, Jane Kennedy titled (Relationships among Birth Presentation Amniotic Sac Rupture, and stillbirths in Rhinoceros) helped us to increase our GOH population at our zoo. In 2011 our young female GOH gave birth to a full term calf, but the baby was born breech and stillborn. We assumed that it was the breech position of the calf that caused its demise. Jane's presentation provided some much needed information about rhino births. I learned that calves can be born breech, but all calves must be born with their fetal envelope in tact, which was not the case with our calf. Jane was looking into the correlations between successful births with envelopes in tact and births with fetal envelopes that were broken. I took home a boatload of information and I am proud to say that we were successful with the next pregnancy and birth of the first successful GOH calf born to the Toronto Zoo in 16 years! A male calf named NANDU was born Feb 17 2016. Thanks to Jane's presentation, we were much more prepared and I owe some of the success of the birth to Jane. Thank you Jane!!



Angie and her new GOH calf!

Rhino keeper workshop continued..

At the Chester Workshop in England, the presentation from Dr. Friederike von Houwald is going to change our adult male's life forever and may have even saved his life. Dr. von Houwald showed us that 100% of male GOH's in zoos have foot problems, and our male was no exception. We house a 13-year-old male GOH named Vishnu, born at the Bronx Zoo and moved to Toronto in 2005. I started to work with the GOH's in 2012 and already his feet were in pretty bad shape. His pads are thin, with a big flap of pad pulling away from the nail on both rear feet. His feet were sore more often than not, walking gingerly and laying down more than he stood. Dr. von Houwald explained that this was a result of living on unsuitable flooring. GOH's need much softer flooring since they were designed to be living in areas with alluvial grasslands and riverine forests, not on rubber and concrete floorings. Dr. von Houwald (who has a doctorate in GOH feet by the way) showed us that there was a way to fix the problems that have been plaguing captive GOH's feet, simply by adding at least 50 cm of hardwood wood chips. Her team at Zoo Basel were able to fix their GOH foot issues with this addition. By adding all of this substrate, the heavy weight of the GOH is cushioned and their feet do not feel the effects of the cement far below.

I cannot tell you how excited I was to get back to the Toronto Zoo to speak to the superiors about exhibit changes to save our big GOH male. I really do mean "save". Vishnu is a very large GOH and if his life does not change, I can see a future that involves an early euthanasia due to the increasing deterioration of his feet with a life full of pain....

I am pleased to say that the zoo heard my pleas and we are in the process of renovating the indoor (winter) exhibit for him, where he will live on 50 cm of woodchips for the rest of his days! I know the healing process will be a slow one, but I am optimistic that he will heal – stay tuned for my presentation about his feet at a future workshop!

I am hoping that by now you do not need any more reasons why you should attend an IRKA workshop. If you are passionate about the rhinos you care for, you really owe it to them to attend and learn.

If money is your challenge, I get it, but there are many ways to help get you to a workshop. The easiest one is to apply for an IRKA scholarship. IRKA is dedicated to helping keepers make it to these workshops, so submit your scholarship application – it's easy – I was a successful recipient for the Chester workshop and \$500 was awarded to me as an international attendee.

Speak to your curators and ask them for help – either financially or to get their help in asking the powers that be at your facility to send you. Suggest a post workshop presentation to your fellow keepers and superiors as a way to justify sending you to a workshop.

And if all else fails, you could hold a fundraiser to raise the money to support your trip to Denver. Have a bake sale (keepers love to eat!), or ask for donations from fellow keepers, docents and volunteers – they may be sympathetic and keen to help you.

Remember, you never know how one presentation, or how meeting fellow rhino keepers could change the life of your rhinos forever and for the better!

Rhino Keeper Workshop Scholarship Program: by Janel Jankowski - Jacksonville Zoo and Gardens

I was fortunate enough to be granted a scholarship from the International Rhino Keeper Association last year to help my expenses to attend the Rhino Keeper Workshop in June 2015. I was excited in general to attend my first Rhino Keeper Workshop, let alone one in Chester, England! I didn't really know what to expect from this trip but was surprised beyond belief at the outcome. I am a senior mammal keeper from the Jacksonville Zoo and Gardens in Jacksonville, FL. I have been working in "Mammals Area 2" for seven years with mostly African and Asian carnivores and hoof-stock. Shortly after starting here the rhinos began to steal my heart. I may be biased...but how can they not?



The information that I learned and the inspiration that I gained from this workshop has been endless. There were delegates from countless different countries and each one had their own rhino experience to bring to the table and share - no matter how big or small. I really appreciated learning about all the different management styles currently being utilized for rhinos and what has been successful and what hasn't. I also have always said one of the best learning tools is each other - other zookeepers and their experiences. I feel there will always be something more to learn along your career path that will benefit your animals and your ability to allow them to thrive in their captive environments. There is no exact science as to how to perfectly manage rhinos or any animal in captivity - the zoo field is ever-evolving. At this workshop I found a whole "rhino lovers" world that I was unfamiliar with and that welcomed me with open arms.

RKW Scholarship program continued..



At Jacksonville Zoo and Gardens we have 1.2 Southern White Rhinos (due to barn space). We have a geriatric male rhino Archie who turned 46 this past December! Sorry if everyone is sick of me talking about him :) I appreciated being able to ask other keepers what they are experiencing with their geriatric animals. Archie has offspring around the world and being able to link him to other keepers talking about their rhinos was touching - to be able to tangibly see Archie's contribution to the white rhino population. Also being able to talk about tons of different topics at the round table discussions was beneficial. Archie out of the blue had developed really poor fecal quality for months on end which couldn't be explained with blood or fecal samples. After the workshop I was able to discuss with my supervisors and vet staff the possibility of offering Psyllium which I learned other facilities give their white rhinos. Although it hasn't been scientifically proven shortly after starting Archie on monthly Psyllium regimens his feces cleared right up and now looks wonderful! We are also working on other improvements to our rhino program, such as getting more enrichment approved and diet modifications to increase reproductive health of our females.

There were also really inspirational presentations on conservation efforts currently taking place in Africa and India to combat poaching. Everyone has the same end goal in mind - to save rhinos from extinction and allow future generations to learn and see these amazing creatures in the wild. Sometimes you start to lose focus and hearing all that these conservation groups are doing and the progress they may be achieving is invigorating. My place of employment recently started C.A.R.E. committee which awards conservation funds from our zoo to different non-profit organizations. With information I learned at the workshop I was able to fill out a Conservation Award Application for the Save the Rhino International Dog Squad. Our committee reviewed it carefully and voted to send funds to the Dog Squad - enough to put them over their appeal target! As I previously said I am beyond grateful for the support Jacksonville Zoo and Gardens has shown me in sending me to this workshop, all the friendships I made in just a couple days that will last for years to come, and all the information and ideas I look forward to working on in the future. My advice to those contemplating applying for the IRKA scholarship - what are you waiting for!!! You won't regret it. And I recommend visiting England if you ever get the chance it is full of beautiful people and landscapes.



Injection Sites for Rhinos: by Joe Hauser- Buffalo Zoo and Dr. Scott Citino - White Oak Conservation

Many rhino keepers have to assist veterinary staff on injecting the rhinos in their care for a number of reasons. It could be for a vaccine, medication, or drug used for sedation. It is very challenging to be able to penetrate the rhino's thick skin and there are only select few areas where you can inject a rhino. I consulted with Dr. Scott Citino, the head veterinarian at White Oak in Yulee, Florida, who is one of the few veterinarians that has worked with all 4 species of captive rhinos. If you are thinking about training the rhinos in your care for hand injections, taking the advice from Dr. Citino will be a great way to start.

What are the best locations for injections on the 4 species of captive rhinos?

Dr. Citino - Injection sites are about the same in all rhino species. For inter-muscular injections, I prefer the area behind the ear as seen in the diagram as the skin is thinner here and you can use 1.5 to 3.0 inch needles here to get good inter-muscular injections. If you go to the hindquarters or triceps regions, the skin is much thicker here and requires longer needles - it is much harder to do hand injections in these sites. Anesthetic drugs, vaccinations that are not too irritating, and non-irritating drugs can be given in these areas.

Is there a difference in the injection areas as to which vaccines or drugs that are being given? Are there areas that you would recommend staying away from?

Dr. Citino - For reactive vaccines such as Clostridial vaccines, I give them subcutaneous on the inside of the front legs where the skin is thin and when they abscess it is easy for them to drain.

Most large volume drugs should be given IV if they can go that route. Large volume subcutaneous drugs such as Excede, I generally give in the ventral flank folds or in the skin behind the front leg.

Injections have been given successfully in the skin fold behind the shoulder of the greater one-horned rhino, but I would still be careful in this area with reactive injections. The skin plates on the GOH rhino make it difficult to hand inject in the hindquarter and triceps, however, that area is used for darting especially in free-ranging rhinos.



2017 Rhino Keeper Workshop Update: by Jonnie Capiro– San Diego Zoo Safari Park

We are so excited to announce that the Rhino Keeper Workshop will be held in Denver, Colorado, August 6-10, 2017! The Denver Renaissance Stapleton Hotel is offering a workshop rate of \$139/night. That rate will be available from August 4-12th for those who want to extend their stay, or participate in the post-RKW trips. All presentations, registration, and some social events will be held at the hotel. Tentative post-RKW trips include a day at the Cheyenne Mountain Zoo and a trip to Pikes Peak via the famous Cog incline railroad, both for an additional fee.



Next year's workshop will feature a Keynote Address focused on the State of the Rhino, by Dr. Susie Ellis, Executive Director the International Rhino Foundation. There will also be featured presentations by a representative of Save the Rhino International UK, a representative of US Fish and Game, and Dr. Monica Stoops from the Center of Conservation and Research of Endangered Wildlife at the Cincinnati Zoo. There will be opportunities to learn about many facets of rhino care and husbandry, general management, breeding dynamics and challenges, training, nutrition, medical care, facility design, and to connect with our colleagues from around the world. If you haven't attended the Rhino Keeper Workshop in the past, I highly encourage you to attend to broaden your rhino experience. And for those who attend frequently, we have some new things planned and we welcome you back to hear updates about your rhinos.

The tentative schedule includes PowerPoint presentations, an all-day trip to the Denver Zoo, an optional trip to the USFG National Wildlife Repository (for a fee, or an afternoon of hiking nearby), and an afternoon of round table discussions on various topics, including species specific topics and Artificial Reproductive Technology. Keepers, researchers, educators, managers are encouraged to submit abstracts to present case studies and projects about a wide variety of rhino topics. Stay tuned for more information and a call for papers beginning in September.

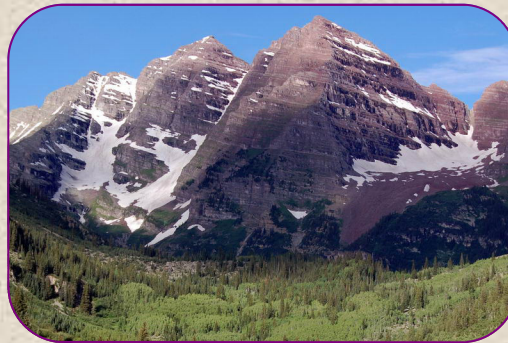
Please check back in the fall for more information about registration, call for papers, and travel details so you can plan your trip. Additionally, if you would like to get more involved, there are opportunities to serve on a few planning sub-committees, details to follow. Participation on a sub-committee requires that you can read and respond quickly to emails frequently over the next year, have a few hours per month to work on projects for the designated committee, and possibly participate in an occasional phone call. If you have any questions, comments, or suggestions, they are welcome. Please contact Jonnie Capiro at jcapiro@sandiegozoo.org to inquire about serving on a committee or with any questions.

We look forward to seeing you all in Denver next August!

Jonnie Capiro - RKW Denver Co-chair

Chris Bobko - RKW Denver On-site Chair

Stephanie Richmond - RKW Denver Co-chair



From the Editor:

Greetings! I hope this summer season has brought everyone some happy times enjoying the warm weather and sunshine (although, some of us have had a toastier summer than others!!) As the Denver Zoo On-site Chair for the 2017 RKW, I can tell you that we are extremely excited to welcome all of our delegates back to the Mile High City of Denver! We were fortunate enough to host this wonderful workshop in 2003, and since that time have had many great additions to our institution including our new \$52 million dollar exhibit Toyota Elephant Passage that is home to our pair of GOH rhinos, Malayan tapirs, Asian Elephants, Clouded leopard, White cheeked Gibbons, Asian Fishing cats and Asian small claw otters.

Our BOD's and workshop team is working hard to pull together an amazing conference that will broaden your knowledge and spark ideas for these incredible animals that we are working so hard to SAVE!

Denver is a very cool and laid back town that has many great places to visit. Plus, our awe inspiring Rocky Mountains are literally only a one hour drive away, so if you can, plan on adding some extra time to explore our beautiful state.

WE are really looking forward to seeing you all next August in Denver!!!

Christine Bobko



2017 Rhino Conservation Calendar Gift shop letter:

Please use and distribute to YOUR zoo gift shop!



To Whom It May Concern:

The International Rhino Keeper Association (IRKA) and the International Rhino Foundation have produced the **2017 Rhino Conservation Calendar** with photographs submitted by rhino supporters from around the world! The calendars are the IRKA's endeavor as an organization to actively participate in an *in-situ* rhino conservation project through the IRF.

The IRKA has produced the Rhino Conservation Calendar for four years, and we have raised over **\$40,600**, all of which went directly to rhino conservation projects.

The **2017 Rhino Conservation Calendar** will be supporting rhino dogs! Rhino dogs are frontline soldiers trained specifically to save rhinos. The dogs learn to track human scent, protect their handler, find ammunition, and even detect rhino horn. A well-trained dog and its handler are powerful weapons against wildlife crime. The dogs use their superior senses of smell, hearing, eyesight, and agility to sense and do things their human counterpart cannot. As poachers become more lethally armed, dogs provide a vital early warning system and safety for rangers, along with rhino protection. Rhino dogs are often blood hounds paired with Belgian Malinois trained to either track or attack suspected rhino poachers. The work these dogs do is invaluable to the conservation and protection of rhinoceros. The International Rhino Foundation, our partner in rhino conservation, along with South Africa's organization Stop Rhino Poaching (www.stophinopoaching.com) will be the recipient of all funds raised by the 2017 Rhino Conservation Calendar. For each \$5,000 we raise, we fund another rhino dog soldier and all of its training needs.

We are offering the calendars at a discounted price for zoo gift shops. Once your gift shop manager has purchased the calendars, you may choose the price at which you want to sell the calendars to your guests. Below is what the **2017 Rhino Conservation Calendar** looks like. Each calendar is made of premium environmental paper with saddle stitch binding, a cardboard stiffener, and plastic wrap. Please keep in mind the IRKA is a 501(c) 3 organization!

Gift shops purchase pricing (individually the calendars are currently being sold at \$22 each):

(Shipping not included)

(\$2 off) \$20/each for 10 calendars= \$200

(\$6 off) \$16/each for 25 calendars= \$400

(\$10 off) \$12/each for 50 calendars= \$600

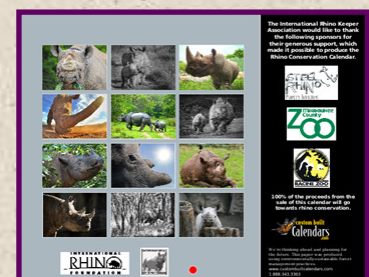
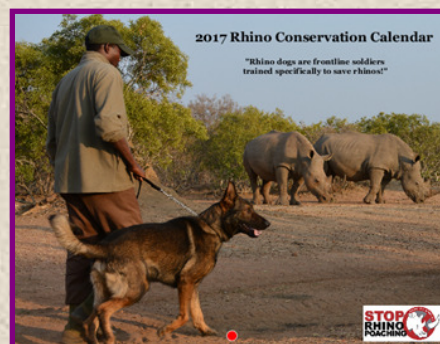
(\$12 off) \$10/each for 75 calendars= \$750

Please contact Sara Wunder Steward at Sara.Wunder@BuschGardens.com or call 813-325-1681 if you are interested in purchasing the **2017 Rhino Conservation Calendar**. Thank you for your time and support! We hope to hear from you soon.

Sincerely,
Sara Wunder

Senior I- Rhinos
Busch Gardens, Tampa
Sara.Wunder@BuschGardens.com

Rhino Conservation Calendar Coordinator
www.rhinokeeperassociation.org



Keeper Professional Development Program:

The International Rhino Keeper Association (IRKA) has developed a program that will provide rhino keepers the opportunity to expand their knowledge and husbandry experience. This program has been designed to enable rhino keepers to work at other institutions to familiarize themselves with different management styles. Due to the professional nature of this program, it is only available to Professional or Supporting Professional Rhino Keeper Association members.

The IRKA has selected facilities with different management styles to maximize the keepers' potential for enhancing their expertise. It is the hope of the IRKA that the institutions participating in this program will take this opportunity to share their trials, tribulations, triumphs and successes with their professional colleagues. At this time, the hosting institutions are: Busch Gardens Tampa, Cincinnati Zoo & Botanical Gardens, The Wilds, Columbus Zoo and Aquarium, San Diego Zoo Safari Park, and Denver Zoo. The concept of the program is quite simple, but we feel it is an invaluable tool for expanding the skills of rhino keepers by providing them the opportunity to work alongside their colleagues and learn the nuances of that institution's husbandry practices.

Approval process:

The keeper participating in this program must not only have their institution's authorization, but agreement to pay their wages. The institution's approval requires that employee is covered by their institution's workmen's compensation and will provide documentation of personal health insurance. This will provide assurance that the hosting institution will not be liable to cover medical costs. When application has been approved, there will be a fee of \$10 to be contributed to the IRKA scholarship fund.

Participating Institutions include:



“Rhino Buddies”

Sponsor an IRKA Professional Membership for an International Rhino Keeper!

The International Rhino Keeper Association is based in North America. Membership dues are based on American costs of living and English is our primary language. The brain child of our past president Adam Felts, the Rhino Buddies program helps our international colleagues be part of the association. Those members who can afford to sponsor an out of country member pay the annual dues for another, paying forward to anyone who would like to be a "Rhino Buddy." Members are paired and then establish an electronic connection, developing each other's skills as rhino caretakers and growing a friendship in the process.

We invite you to either be a recipient or a sponsor. We will pair you with an international rhino caretaker and get the ball rolling. There is an easy to fill out form for each position. You can also request someone you already know, and we can pair you as Rhino Buddies and let you take it from there. If you are interested in connecting with someone outside of your country please contact me and we will connect you with someone who will help you develop your rhino knowledge, and you help develop theirs. We will try to connect like minded members, meaning a professional will connect with a professional, a supporting professional will connect with a supporting professional, and an associate member will connect with an associate member. Exceptions to this rule can be requested when Rhino Buddies already know each other. For more information contact me at jkennedy@sandiegozoo.org or janeknedy_rka@cox.net. Or Jennifer Conaghan at jconaghn@zoo.nsw.gov.au

I hope you consider becoming a rhino buddy, helping to expand our membership and better serve our charges, the rhinos.

Jane Kennedy

President, IRKA Learn. Share. Save.

BUDDIES!

Chuck the SWR and Eric the Eastern black rhino successfully paired at the San Diego Zoo Safari Park! True rhino buddies!



Correspondence Updates:

The IRKA send our congratulations and celebrate with the following institutions:

- ◆ Sumatran Rhino Sanctuary : Birth of female Sumatran Rhino to Ratu and Andalas
- ◆ San Diego Safari Park: Opens new Nikita Kahn Rhino Rescue Center
- ◆ Lee Richardson Zoo: Welcomed I.I Black rhino to their zoo
- ◆ White Oak Conservation Center: Birth of female Southern White rhino
- ◆ Dvůr Králové Zoo : Birth of two black rhino calves within 5 days of each other!

The IRKA sends our condolences to the following institutions:

- ◆ Toledo Zoo: death of 47 year old female Southern White Rhino “Lulu”
- ◆ Henry Vilas Zoo: death of 44 year old male Southern White Rhino “George”
- ◆ Maryland Zoo: death of 48 year old female Southern White Rhino “Daisy”

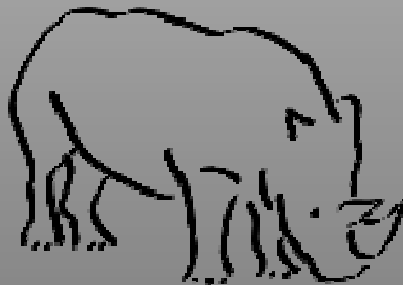


2016 New and Renewing Members to IRKA

Vickie Steele		Renee Carpenter	Cincinnati Zoo	Julie McGilvray	San Francisco Zoo
Melissa Farr	Utah's Hogle Zoo	Libby Krouskop	Cincinnati Zoo	Dave Clawson	the Wilds
Christy Nitz	Disney's Animal Kingdom	Lissa Browning	Cincinnati Zoo	Emily Quist	
Deserrai Buunk	Toronto Zoo	Steve Yelverton	Cincinnati Zoo	Christine Stephan	Dallas Zoo
Kenneth Mackey	Ireland	Michele Gaffney	San Diego Zoo	Jonnie Capiro	San Diego Zoo Safari Park
Ashleigh Winkelmann	Potter Park Zoo,	Autumn Nelson	San Diego Zoo Safari Park	Sara Shanahan	Denver Zoo
Clarice Brewer	White Oak	Lance Aubery	San Diego Zoo Safari Park	Jane Kennedy	San Diego Zoo Safari Park
Kim Anicito		Danielle Crawford	San Diego Zoo Safari Park	Stephanie Richmond	St. Louis Zoo
Heather Pye	Lowry Park Zoo	Justin A. Shaw	San Diego Zoo Safari Park	Wendy Shaffstall	Cincinnati Zoo
Kristina Przystawik	Lowry Park Zoo	Patricia Huntley	San Diego Zoo Safari Park	Paul Reinhart	Cincinnati Zoo
Christi Reiter	Lowry Park Zoo	Sonja Jaramillo	San Diego Zoo Safari Park	Randy Pairan	Cincinnati Zoo
Kaela Phillips	Lowry Park Zoo	Alex Higley Konold	San Diego Zoo Safari Park	Marjorie Barthel	Cincinnati Zoo
Katie Sheppard	Lowry Park Zoo	Mindy Albright	San Diego Zoo Safari Park	Renee Carpenter	Cincinnati Zoo
Jackie Molyneaux	Lowry Park Zoo	Ian Chatfield	San Diego Zoo Safari Park	Christopher Tubbs, PhD	San Diego Zoo Institute for Conservation
Janine Whitney	Lowry Park Zoo	Charles Tucker	San Diego Zoo Safari Park		
Michael Burns	Lowry Park Zoo	Gloria Kendall	San Diego Zoo Safari Park		
Angela Belcher	Lowry Park Zoo	Melodi Tayles	San Diego Zoo Safari Park		
Christopher Massaro	Lowry Park Zoo	Peter Jones	San Diego Zoo Safari Park		
Patrick Fountain	Potter Park Zoo	Amanda Lussier	San Diego Zoo Safari Park		
Joseph Hauser	Buffalo Zoo	Jake Shepherd	San Diego Zoo Safari Park		
Amber Berndt	Indianapolis Zoo	Jennifer Minichino	San Diego Zoo Safari Park		
Andrew NealeUK		Mike Veale	San Diego Zoo Safari Park		
Laura McGlothlin	Columbus Zoo	Sasha Stallard	San Diego Zoo Safari Park		
Harry Peachey	Columbus Zoo	Charlie Hyde	San Diego Zoo Safari Park		
Adam Felts	Columbus Zoo	Justine Zafran	San Diego Zoo Safari Park		
Mindi Scott	Columbus Zoo	Kathryn Garagarza	San Diego Zoo Safari Park		
Aaron Kazmierczak	Columbus Zoo	Ken McCaffree	San Diego Zoo Safari Park		
Matt Davis	Columbus Zoo	Matt Gelvin	San Diego Zoo Safari Park		
Matt Frohlich	Columbus Zoo	Meghann Sweeney	San Diego Zoo Safari Park		
Justin Smith	Fossil Rim	Chris Andrus	San Diego Zoo		
Adam Evers	Fossil Rim	Jennifer Moll	San Diego Zoo		
Megan Cooper		Kymerlee Nelson	San Diego Zoo		
Ray Hren	Milwaukee County Zoo	Kelly Elins	San Diego Zoo		
Kim Caldwell	SD zoo safari Park	Krista Perry	San Diego Zoo		
Kim Morrell		Douglas Kresl	San Diego Zoo		
Kelly Ann Brown	Buffalo Zoo	Barbara Letton	San Diego Zoo		
Tim Junker	Houston Zoo	Luis Ochoa			
Jamie Newsom		Lara Metrione			
Jacqueline Da Rocha		Dr. Susie Wiseman			
Angie Snowie	Toronto Zoo				

Supporting Institutions New or Renewing

- ◆ Zoological Society of San Diego
- ◆ Tulsa Zoo & Living Museum
- ◆ Columbus Zoo
- ◆ The Wilds
- ◆ The Horns and Heroes Project
- ◆ Lowry Park Zoo
- ◆ International Rhino Foundation
- ◆ Jacksonville Zoo
- ◆ Austin Savanna
- ◆ Fossil Rim Wildlife Center
- ◆ Brian Caldwell– Hyland Way Productions
- ◆ Taronga Zoo and Taronga Western Plains Zoo
- ◆ Henry Vilas Zoo
- ◆ African Lion Safari
- ◆ Cincinnati Zoo



Thank you everyone for renewing your IRKA membership &/or just joining our organization. If you have not been receiving the Crash newsletter or the weekly rhino news emails, please email Jade Tuttle, Membership Chair, at jade.tuttle@nczoo.org so we can make certain that we have your correct information. To date, we have 250 members & 15 Supporting Institutions.

Institutional Supporters

The Supporting Institutional Membership is for any conservation organization , or zoological institution which supports rhino conservation in accordance with the objectives and purpose of the IRKA. These memberships are available for \$100, \$500 and \$2000. Why should your zoo be interested in joining on this level? If your institution contributes on the \$500 level then all rhino keepers membership fees at your zoo are waived! It is important that as the IRKA grows that we continue to garner the support from all facilities that are responsible for the protection and management of all species of rhinoceros. We would like to extend our appreciation for this substantial support to the following institutions, and hopefully we can add your zoo to this growing list! If you have questions about institutional memberships or any other questions please contact us at

internationalrhinokeeperassoc@gmail.com.



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