



MONTHLY ACTIVITY REPORT

To: AArk Steering Committee and colleagues
From: AArk Staff
Subject: AArk monthly activity report for July 2008
Date: 15 August 2008

*Note: these reports document efforts that are underway; people seeking additional information should contact [Kevin Z.](#)
These monthly reports are now archived [online](#).*

General updates from the amphibian community

News/Publications

- Washington State University offers services including DNA extraction from swabs or tissue samples and real-time PCR quantification of chytrid fungus and ranavirus with each sample run in triplicate. Sample processing will be \$10 per sample for Federally-funded projects or \$11 for non-federally funded projects. For more information, please contact Andrew Storfer (astorfer@wsu.edu).
- [Malformed Frogs: The Collapse of Aquatic Ecosystems](#)
- [Physiological constraints on organismal response to global warming](#): mechanistic insights from clinally varying populations [of salamanders] and implications for assessing endangerment
- [Survey protocol for detecting chytridiomycosis in all Australian frog populations](#)
- [Human-frog hybrids reveal autism's secrets](#)
- Amphibien-Seminar der Deutsche Gesellschaft für Zootier-, Wildtier- und Exotenmedizin (Fachgruppe der Deutschen Veterinärmedizinischen Gesellschaft) und World Association of Zoos and Aquariums : 28. und 29. Juni 2008, Stuttgart. – 1st edition.. - München : Publisher: Dr. Hut, 2008. - 98 pp. ISBN 978-3-89963-771-7

Amphibian/Herp Meetings

- 6th World [Congress](#) of Herpetology in Brazil 17-22 August
- [Mesoamerican Conservation Strategy Meeting in San Pedro Sula, Honduras 4-6 September](#)
- [Symposium](#) to create a national strategy for declining Chilean amphibians in Santiago 11-12 September
- X [Reunión](#) Nacional de Herpetología in Mexico 6-9 October
- [Halting the global decline in amphibians: research and practice](#) in London 20-21 November
- VIII Latin-American [Congress](#) of Herpetology in Cuba 24-29 November

Funding available

- ASG calls for [proposals](#) for up to \$30,000 matching funds for critical habitat protection, no deadline
- Columbus Zoo continuously accepts applications for grants and emergency grants and has a strong record of supporting amphibian conservation work. For more information, contact [Rebecca Rose](#), Field Conservation Coordinator.
- Emergency funds are also available through [Memphis Zoo](#) and [Disney](#).
- Other grant opportunities are described in Appendix 3 of [AZA Amphibian Resource Manual](#).

Funding needed

- [For species rescues in eastern Panama \(Houston budget proposal\)](#)
- For species prioritization workshops in Panama, India, Sri Lanka, Peru, Indonesia.

Amphibian Ark is a partnership between the World Association of Zoos and Aquariums (WAZA), IUCN/SSC Conservation Breeding Specialist Group (CBSG), and IUCN/SSC Amphibian Specialist Group (ASG).

- For 2 Brazilian students to travel to the amphibian husbandry course in Toledo this November; \$500 secured, \$4000 to go!
- For workshops and facilities in [Costa Rica](#).
- AVZA (Venezuelan zoo association) seeks \$2,000 to develop amphibian-specific educational posters and coloring books for school children.
- Other partnership opportunities are available in [Latin America](#) and [Asia](#).
- For AArk officer support, including 25% Taxon Officer Kevin J, 50% Program Director Kevin Z, and any/all of a Training Officer and YOTF Campaign Manager.

Vacancies

- Detroit Zoo seeks [Curator of Amphibians](#).
- [Live-food technician and assistant to mountain chicken programme](#), closes 26 August

CURRENT

AArk Coordination (compiled by AArk Program Officer [Kevin Zippel](#)).

- We welcome 2 new members to the AArk Steering Committee: Dr. Gerardo Garcia of Durrell Wildlife Conservation Trust takes over as EAZA representative, and Dr. Peter Janzen of DGHT takes over as representative from the European private sector.
- Gerald Dick (WAZA) is leading efforts on a resolution calling for support of ACAP from the IUCN secretariat, commissions, and members.
- We are collecting and analyzing results from an e-survey for the *ex situ* community to evaluate recent and planned amphibian conservation activities.
- Joe Mendelson attended the joint meeting of academic herp societies to promote conservation research, management, and YOTF participation among that community.
- Vast majority of AArk coordination efforts going into enabling partners for the YOTF campaign and various capacity building efforts.

Taxon Survival Efforts (compiled by AArk Taxon Officers [Kevin Johnson](#) and [Richard Gibson](#))

- On behalf of the AArk Cryobiology Advisory Committee, San Diego Zoo is accepting amphibian tissue samples for cell culture. The [protocol](#) is available online. These cell lines will provide valuable material for research and preserving genetic diversity. If an invaluable animal dies in captivity, or you encounter a freshly dead specimen of a rare species in the field, please consider utilizing this free service. Biopsy kits are available through the contact information in the online protocol.
- Arrangements are continuing for a prioritization workshop in Indonesia in October.
- [Panamanian species prioritization workshop scheduled for 10-12 November.](#)
- Robert and Richard are in the very early stages of considering a prioritization workshop for Central African species in Cameroon next year, probably April 2009.
- Completed versions of the prioritization data from various workshops are available on the [Amphibian Ark portal](#).

Training & Other Capacity Building (compiled by AArk staff)

- Husbandry course planned for Indonesia in October 2008.
- [Durrell Wildlife Conservation Trust to lead an amphibian biology and conservation course in Bolivia 29 September – 5 October 2008.](#)
- Kevin Z, Joe Mendelson and Ron Gagliardo will teach at 7th AZA [Amphibian Biology, Conservation & Management](#) course in Toledo 8-14 November 2008. Special thanks to Toledo Zoo for continuing to host this course.
- Husbandry course planned for Peru in November 2008.
- Advanced husbandry course planned for Malaysia in November 2008.

- Husbandry course planned for Brazil in March 2009.
- Husbandry course planned for China sometime in 2009.
- Mesoamerican training course in preparation through [AMACZOOA](#); more details coming soon.
- EAZA plans for at least 10 amphibian husbandry courses all over Europe are at various stages of development, all of which will be organized and run by graduates of the Jersey ACH course run earlier this year.
- Everyone is looking for “creative solutions” to fill the last AArk vacancy - Training Officer - and not break the AArk budget. We really need an institution to donate most/all of this position, as Brookfield, Chester, and Antwerp are doing for others.

Research Efforts (compiled by AArk Research Officer [Robert Browne](#))

- There is a major drought in Iran that threatens the survival of several endangered amphibians including highly prioritized *Neururgus* salamander species. Surveys are being conducted to elucidate the status of these and other Iranian amphibians.
- Two major Chinese universities have agreed to support a distribution survey of the Chinese giant salamander combined with the collection of DNA samples. Interest from zoos is sought from zoos to participate in a program to test techniques developed in China for reproduction of their giant salamanders.
- A valuable part of the research section on the AArk website will be illustrated techniques. Pages showing subjects including counting eggs, measuring animals from images, weighing and manipulating tadpoles, restraining frogs are already in production. Pictorial essays on other techniques that you have found valuable can be sent to Robert.
- The survey of the amphibian research efforts and needs of zoos is in the final stages of compilation. This is being done in conjunction with the production of a web based guide for amphibian research in zoos. Please email any research priorities that you consider need canvassing to Robert.
- The development of reliable and efficient means to preserve genetic variation, and reproduce amphibians with the genetic variation of the source population, is essential in conservation breeding programs. Dr Chester Figiel, USA, National Fish Strain Registry and Robert are preparing a book chapter “Cryopreservation of amphibian cells and tissues. *In*. Cryopreservation in Aquatic Species” which will correspond with associated information on the AArk website of reproduction technology for amphibians.

Communications/Development (compiled by AArk staff)

- **The AArk 2008 YOTF campaign:**
 - [Amphibian Conservationists Put Naming Rights for Five New Frog Species on the Auction Block](#)
 - [SageFrog Marketing Partners with Amphibian Ark to Save Frogs](#)
 - Kevin Z on WNYC [Leonard Lopate show](#)
 - Kevin Z gave a YOTF presentation at *Amphibian Weekend* at The Wild Center: Natural History Museum of the Adirondacks.
 - Kevin Z and Bob Lacy working with SageFrog on an AArk poster for World Conservation Congress.
 - Kevin Z talked to journalists from *The Chronicle of Philanthropy*, *Dagens Nyheter*, *Leonard Lopate Show*, *WNYC (NPR)*, *Science Illustrated Magazine*, *Discover Life in America*, *ReptilesTV.com*, *MainStreet.com*, *Missouri Department of Conservation*.
- **The AArk website:**
 - The site is now available to visitors in China (the previous server was banned by China), and work has begun on the Chinese versions of the web site. Two versions are being developed in parallel, one in Simplified Chinese and one in Traditional Chinese. AArk would like to thank Joann Chang from

the Taipei Zoological Foundation, and Xiaohong Wang from the Training Program of China, Zoo Atlanta, Sue Zhu from Taronga Zoo in Sydney, and Xiaoyu Wang from the Care For Frogs website (www.frogvilla.com) for their help with the translations. These versions of the site should be available by the end of August.

- **Website languages:** [Spanish](#) and [German](#) are available with Chinese coming soon.
- **InfoPack:** [Portuguese](#), [English](#), Chinese [traditional](#), Chinese [simplified](#), [Japanese](#), [German](#) and [Spanish](#), are available. We also have a few regional InfoPacks available: [EAZA](#) and [AZCARM](#) (in Spanish); regional representatives who would like their region's InfoPack on the web please send it to [Kevin J](#). The AArk Mask (two versions in English and one in Japanese), and the AArk Banner (24x60inches) with the campaign slogan are also available for [download](#).
- **Online Petition:** An online petition urging politicians and parliaments of the world to commit resources for urgent global action is now available [online](#). The petition is available in English and German, and is currently being translated into Spanish. It is also available in [French](#) on the WAZA website. So far, **4,669** signatures have been received via the online petition.
- **Videos online:** A number of videos, including Jeff Corwin, Kevin Zippel and others are available [online](#). Sir David Attenborough records [interview](#) for YouTube. Jean-Michel Cousteau records [PSA](#) for YouTube.
- **News From the Zoos:** The new page [News From the Zoos](#) is ready for all regional associations who want to post information about their YOTF activities. Currently there are links to each region's web page but those who want AArk to create a new page for them please send the information to [Lesley](#). You can also send to Lesley the [names of the regional representatives](#) for the YOTF campaign if not listed on the website.
- **Visitors:** Site visitation has decreased again this month, for the second month in a row. 36,924 visits, resulting in 44,003 page views.

Month	Visits	Month	Visits	Month	Visits
Oct-06	306	Jul-07	2,420	Jun-08	41,567
Nov-06	331	Sep-07	4,754	Jul-08	36,924
Dec-06	302	Oct-07	6,228		
Jan-07	336	Nov-07	9,972		
Feb-07	4,122	Dec-07	10,191		
Mar-07	2,574	Jan-08	31,076		
Apr-07	2,763	Feb-08	32,636		
May-07	2,816	Mar-08	20,716		
Jun-07	3,361	April 08	47,600		
Aug-07	4,587	May-08	47,864		

- A summary of the most visited pages during July shows that the Year of the Frog pages continue to be the most visited, followed by the online petition and the videos page:

English site		Spanish site		German site	
Web page	Views	Web page	Views	Web page	Views
home page	13354	home page	890	home page	839
yearofthefrog.htm	4502	YOTFinfopack	724	yearofthefrog.htm	386
YOTFinfopack.htm	2095	yearofthefrog.htm	586	frog_gallery.html	153

online-petition.php	1367	frog_gallery.html	128	news.htm	143
donations.htm	1108	donations.htm	120	downloads.htm	134
frog_gallery.html	1095			donations.htm	131
chytrid.htm	1004				
50ways.htm	834				
YOTFgoals.htm	773				
shop.htm	725				

- **Fundraising and sponsorship**

- Our wonderful friends at Froguts Inc. have very generously offered to give a free copy of their virtual dissection software to any interested AArk partner institutions. You can review the product at www.froguts.com, and request your copy from David Hughes, Co-Founder Froguts Inc. david@froguts.com.
- 11 frog call ringtones are available for sale via the AArk web site - http://www.amphibianark.org/ringtone_code.html. Currently, these are only available for phone carriers in the US and Canada, but it is hoped that they will be available in other countries soon.
- HOPart: IUCN Asia regional office is planning at least six high-profile gala art auctions in key locations around the world in late 2008 to raise \$1-4 million for AArk and other ACAP activities.
- Business partners selling items and donating a percentage of the profits to AArk can be found in our online [shop](#). AArk now has an [account with MissionFish](#) to accept donations from eBay sellers, and also with [Network For Good](#) and [Just Give](#).
- The May auction raised [just \\$5,500](#) for conservation of Venezuelan species, the June auction brought an additional \$10,100 and July \$7,400. Because of poor results, the remaining 2 frog auctions will likely be delayed until September, with a feature in *Men's Journal*, and December to close out the YOTF.
- We are working on a proposal to Tiffany's for a line of frog items to benefit AArk.
- Our partners at Mythix.com have organized a number of [concerts](#) in October/November to benefit AArk and other wildlife conservation organizations.

- **From WAZA**

- Petition: As of August 11 we had 20,923 signatures at the Office. Major collectors: SAZARC 5276 (and they have about 6000 more we didn't receive yet), Dudley Zoo (UK) 2668, Riga Zoo (LV) 1794, Leipzig Zoo (DE) 1601, Basel Zoo (CH) 1338, DGHT 883, St. Louis Zoo (US) 823, Münster Zoo (DE) 813, German Zoo Educators - VZP 620, Wilhelma Stuttgart (DE) 538, Augsberg Zoo (DE) 477, Vivarium de Lausanne (CH) 4078, Papiliorama (CH) 393, Worms Animal Park (DE) 312, Augsburg Zoo (DE) 269, Worms Animal Park (DE) 174, Papiliorama Kerzers (CH) 45
- WAZA website AARK-related pages opened / downloaded in July: Campaigns – 931 (includes also some non-amphibian related pages), Frogpages in German – 223, Ripley's Frog Book 139, Silence of the Frogs – 44, Amphibian petition English – 34, Amphibian Petition French – 5, Amphibian Petition German – 4, AARK Infopack in German 10, EAZA Infopack in German 2, Thomas Ziegler's article in WAZA Magazine Nr. 9 – 4,
- Training: A report on the German Curators' Workshop at Düsseldorf will be written by Sandra Honigs and will be published in WAZA News 2008/3. The Proceedings of the Zoo Vet Workshop have already been published by the German Vet Med Society (also with the WAZA Logo on the cover). They comprise 98 pages and contain contributions from Lötters, Heuberger, Seybold, Mutschmann and Kempf. WAZA has got about 100 copies and will distribute these to all participants in the German-speaking Amphibian Programme.

- *Ex situ* Breeding: The participants of the Düsseldorf Workshop have agreed to start coordinated breeding programmes involving private holders and zoos for the following species: *Tylototriton shanjing*, *Tylototriton asperrimus*, *Neurergus kaiseri*, *Mantella aurantiaca*, *Mantella viridis*, *Agalychnis moreletti*, *Atelopus spumarius barbotini*, *Hylomantis lemur*, *Excidobates mysteriosus*, *Minyobates steyermarki*. They will develop husbandry guidelines. Note: it is not intended to meet the criteria for release. Peter Janzen will seek contact to EAZA and try to establish links with EEPs eventually drawn up for these species (note the German programmes cannot be EEPs under current EAZA rules as they will largely be based on private holders).
- Meetings to come: The Anuran Working Group of DGHT will meet at Marktheidenfeld (Germany) from November 7 to 9, 2008.
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- Everyone continues to answer dozens (hundreds?? many!) of email/phone queries regarding amphibian conservation, program development, press, proposal reviews, etc.

Travel and Workshop Schedule

This schedule changes frequently; contact the AARK Staff for further details.

Dates	Meeting Description	Location	AArk Staff, SC member, affiliates
AUGUST 2008			
7	YOTF speaking engagement/water workshop, National Zoo	Washington, DC, USA	Zippel
9	YOTF speaking engagement, Upstate Herp Association	Syracuse, NY, USA	Zippel
17-22	6th World Congress of Herpetology	Manaus, BRAZIL	Church
25-27	ARAZPA/Taronga Zoo amphibian husbandry workshop	Sydney, AUSTRALIA	Johnson, McFadden
SEPTEMBER 2008			
4	YOTF speaking engagement, Central Michigan University	Mount Pleasant, MI, USA	Zippel
4-6	Mesoamerican amphibian conservation strategy meeting	San Pedro Sula, HONDURAS	Mendelson
OCTOBER 2008			
2	YOTF speaking engagement, Cuyahoga Valley Natl Park	Cleveland, OH, USA	Zippel
5-14	IUCN Congress	Barcelona, SPAIN	Lacy, Reid
6-9	Mexican Herp Congress	Hidalgo, MEXICO	Mendelson
17	NABT National Conference	Memphis, TN, USA	Gagliardo?
16-19	CBSG Annual Meeting	Adelaide, AUSTRALIA	Johnson, Zippel
19-23	WAZA Annual Conference	Adelaide, AUSTRALIA	Zippel
27	YOTF speaking engagement, Illinois Audubon Society	Deerfield, IL, USA	Zippel
28	YOTF speaking engagement, Chicago Zoological Society	Chicago, IL, USA	Zippel
TBD	prioritization workshop	INDONESIA	Johnson
TBD	husbandry workshop	INDONESIA	McFadden
NOVEMBER 2008			
5-7	Biodiversity conservation meeting	Sao Paulo, BRAZIL	TBD
6	Frog Symposium Meeting, Linnean Society of London	London, ENGLAND	Gibson
8-14	AZA Amphibian Biology & Management	Toledo, OH, USA	Gagliardo, Mendelson, Zippel
10-12	prioritization workshop	PANAMA	Carrillo
11	YOTF speaking engagement, Chicago Zoological Society	Chicago, IL, USA	Lacy, Rabb
20-21	Frog symposium, Zoological Society of London	London, ENGLAND	Gibson, Johnson, Mendelson, Zippel
24-29	VIII Latin-American Congress of Herpetology	Topes de Collantes, CUBA	Mendelson
TBD	Advanced husbandry workshop	Kuala Lumpur, MALAYSIA	Gaikhorst
DECEMBER 2008			
8-9	Nat'l Council on Science and the Environment conference	Washington, DC, USA	Mendelson, Rabb
APRIL 2009			
18-24	AZA Amphibian Biology & Management	Toledo, OH, USA	Gagliardo, Mendelson, Zippel
TBD	species prioritization workshop	CAMEROON	Browne, Gibson

Acknowledgements 31 July 2008

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Up to \$50,000

The Clorox Company
 Chicago Zoological Society
 Columbus Zoo & Aquarium
 Conservation Breeding Specialist Group (CBSG)
 Saint Louis Zoo
 SeaWorld & Busch Gardens
 World Association of Zoos & Aquariums (WAZA)
 Zoological Society London

Up to \$10,000

Allwetterzoo Münster
 James Bramsen
 Chester Zoo
 Denver Zoo
 Fowler Printing & Graphics
 Omaha's Henry Doorly Zoo
 Paignton Zoo
 The Living Desert
 Zoologischer Garten Leipzig

Up to \$5,000

Al Ain Zoo & Aquarium
 American Frog Day 2007
 BIAZA
 Binder Park Zoological Society
 Bristol Zoo Gardens
 Cleveland Metroparks Zoo & Cleveland Zoological Society
 Disney's Animal Kingdom & Animal Programs
 Galveston Chapter of the AAZK
 International Herpetological Symposium
 Marwell Zoological Park
 New Mexico Bio Park Society, Inc.
 Nordens Ark
 Ocean Park Conservation Foundation
 Nick & Sue Pinder
 Rosamond Gifford Zoo
 Sedgwick County Zoo
 Singapore Zoo
 Tokyo Zoo Conservation Fund
 Toledo Zoo
 Toronto Zoo
 Wildlife Conservation Society
 Zoos South Australia

Up to \$1,000

Birmingham Zoo & Birmingham Zoo Chapter AAZK
 Brookfield Zoo AAZK
 Buffalo Zoo
 Cameron Park Zoo
 Kansas City Zoo
 MARS Preservation Fund
 Minnesota Zoo
 Nashville Zoo
 New Mexico Bio Park Society
 Rochester Museum & Science Center
 Royal Veterinary College
 Zoological Society-London
 Sacramento Zoo
 San Francisco Zoological Society
 Staten Island Zoo
 Taipei Zoo
 Tampa's Lowry Park Zoo

Up to \$500

John Adams
 Susan Anderson
 Anonymous
 Anonymous in honor of Winona & Rupert
 Barcelona Zoo
 Kara Blakeslee
 Richard Colwin Bryarly Jr.
 Stephany Burge
 Sky Button
 Chris & Dave Chadwick
 Chesapeake Chapter AAZK
 The Students at Child Craft Schools
 Clyde Peeling's Reptiland
 Coram Elementary School
 4th Grade
 Nicole Duncan
 ED's Fly Meat
 Joseph Geever
 Stuart Haber in memory of Gus Kaufman
 M. Buffy Hodgetts
 Kirstin Hunter
 Johannesburg Zoo
 Gary & Roberta Kirkland
 Lake Forest Academy-*The Spectator*
 Leon Zoo

Janie & Rick Levis
 Luke, Mona, Heidi, & Meisha Lorge
 JoAn & Ian MacBryde
 Thomas Martin
 Marian Van Eyk McCain
 Miami Metrozoo's Volunteer's & Docents
 Laura & Paul Miller
 Joseph Miscimarra
 Geneve Monnes
 Marianne & Mike Murphy
 Mariann Pancoe
 Lisette Pavajeau
 Donald Popham
 Pueblo Zoological Society
 Ryan Reed & Christiana Loew
 Sage Rentfrow
 Rosamond Gifford Zoo in honor of Kevin Zippel
 Claire Rosser
 SAAMBR
 St. John's College School & Ros Wombwell
 Heather St. Louis
 Noriaki Santo
 Scovill Zoo AAZK
 Jan Sealover
 Sequoia Park Zoo Foundation
 Henry Siu
 Jason Titus
 Univ. of Chicago Laboratory Schools-5th Grade Frog Club
 Douglas Widener
 Wisconsin Wetlands Association
 Jimmy Womack
 Katherine Wright
 Zoo New England

Up to \$100

Alta Vista Elementary
 Anonymous
 Mark Cain
 Robert & Monique Canonico
 William Chambley
 Suzanne Conaway
 Charlotte Connor
 David Corsini
 Janet Corson
 Gaston & Mimi Daumy
 Robert & Sue Dupré

Brett Eisenlohr
 Mary Farr
 Jonathan Foise
 Marvin Goldberg
 Judi Goldfader
 Lee & Shirley Griffey
 Terri Harmon
 Elizabeth Hodgdon
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 Madison Community Foundation
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 Newport Aquarium
 Meg Oakes
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 Save the Prairie Society
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 South View High School
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 Jennifer Stambaugh
 Jonathan Stammers
 Regina Stine
 Daniel Sutter
 Michael Traynor
 Caroline Treadwell
 Deborah Wallwork
 Alistair Ward
 Kaye Ward
 Ryan Ward
 Cecilia Watson
 Laura Wessels
 Williston Middle School
 Mathieu Woldhuis
 Doug Woodhams

Up to \$50

La Dawn Ahlborn-Smith
 Albright Middle School 5th Grade
 Marilyn Anderson
 Christine Apolzer
 Deborah Baker
 Anna Barbosa
 Scott Barolo
 Jim Bartos

Rose Lee Benson	Michael Schlenker	Candis Ellis	Patrice Powers
Marcus Bingham	Kelly Seals	Thomas Farkas	Mary Quinn
Cecelia Bland	Sharon Silverman	In memory of FatFrog	Harry Richards
Erica Booth	Joey Sinreich	Edward Flanagan	Jessica Rodriquez
Bettina Brinkley	Sarah Sokolowski	Angela Ford	Justin Rosenthal & his
Jack & Margaret Broxholme	Christina Stanziano	David Forrest	Grandmother
Alison Burt	Gretchen Stricker	Wendy Free	Pete Ruppel
Cheyenne Mountain Zoo & Bear	Deborah Swain	Suzen Galvin	Donald & Anette
Creek Nature Center	Stacy Tate	Peter Germuska	Sadenwater
Wallace Chin	Georgette Taylor	Melissa Graham	Dulcie Schmidt
Michael Chislock	Louann Thogmorton	Catherine Griffiths	Mike Shelton
Suzanne Conklin	Hannah Turner	Martijn ter Haar	Janet Shen
Kayla Cruz	Nick Tutolo	Jennifer Hagstrom	Melanie Shurgalla
Ian & Ray Cummings	Valdosta Jr. Woman's Club	Lee Hall	Jennifer Smith
Laurent Daudet	Karen Valley & Meghan	Susan Handa	Jodi Bolton Smith
Detroit Zoo	Namaste	Barbara Harris	Matt Smithson
Naomi Doak	George VanArsdale	Ashley Heeren	Sonya Sobieski
Kimberly Egan	Lisa Vertin	Ben A. Hrach	Stephen J. Spill
Stacey Fallis	Gwendolyn Weeks & Michael	Lauren Hruska	Walter Staude
Kendra Felisky-Watson	Steenbakkers	Kelly Huffman	Bethany Stawasz
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Roberto & Barbara Garcia	Diana & Thomas Woods	Chloe Jewel	Angela Turri
Karen Glennemeier	Melissa Wojtylak in honor of	Chris Johnson	Alex Vactor
Jeanette Glew	Grace Anne	Hazel Jones	William Valencia
Charles Hall	Zachary Wright	Tony Jones	Ioana Voiculescu
Tracy Hart	Dustin Wyant	Adamandia Kapsalis	Diane Vornoli in honor of
Douglas Hull	Scott Zippel	Adam Kennedy	Stephen
Lars Gerner Jensen	Up to \$25	Christina Kennedy	Virginia Wasserman
Kitten Kephart	Jennifer Adams	Anne King	Christina Weidner
Floyd King	Anonymous	Kathy Kirkland-Cady in honor of	Harold Weller
David & Marcie Klinger	Anonymous	Kevin Zippel	Valerie White
Ulle Koolmar	Kade Ariani	Kathy M. Krizek	The Whites Family
Ron & Kathleen Kornak	Nicolas Barbieri	In memory of Patricia June	Deborah Zeitman
Edward Kottmeyer	Lailah Estelle Battles	Lambert	Peter Zrinski
Jeff Kwolkoski	Matthew H. Becker	Amber, Angus, & Noah Landry	Up to \$10
Nathaniel Lachenmeyer	R. Alan Belzung	Scott Lenhart	Anonymous
Daymone Lorge	Ciara Boger	Abby Leone	Jill Baker
Ruben Lopez	Bernard Boulay	Nicholas Leonetti	Erin Baldwin
Patricia Malone	Stephen Bowater	Mona Lorge	Elyse Barksdale
Marena Marshall	Jessica Bryan	Victoria Louks	Myles Barrineau
Kathy Mathis	Isabella C. Caldwell	Rob Magnanti	Marjorie Barton
Sheila Mattick	Robert Caldwell	Sally Mahoney	Christina Blankenship
Melissa McCance	Adrienne Valdespino Caplan	Sandra Maler	Debora Borba
Sarah McCormack	Jamie Carney	Angelica Martinez	Jon-Lee Kea Born
Christopher Michaels	Jessica Challis	Darla Michalicek	Russell Bronson
Marsha J. Moore	Dorothy Clark	Lisa Miller	Abe Brown
Beverly Morehouse	Shelley Comella	Paul Moss	Alexandra Cartolano
Jane Morris	Michelle Contillo	Alissa Mudd	McKay Caruthers
John Muller	Michael Cotignola	Lawri Murray	Marc Cieplinski
Michelle Paul	LeAnn Curry	Samantha Nelson	In honor of Mr. Clabaugh
Andrea Peck	Bruce Dain	Darren Noble	Blanca Cohen
L. Keith Pflum	Deborah Daniels	Thibault Normand	Catherine Comer
Linda Ray	Drue Danz	Jean Novotny	Jennifer Cornett
Lisa Reisman	Rebecca Davy	Michael Nunley	Matt Croskey
Nicole Rollins	Jennifer Day	Vinod Oedairadjsingh	Charlotte Cullen
Helen Sandland	Kri Dubois	Kasey Parker	Anne Dennett
Michael Sauer	Hannah Dunstan	Linda Pellegrino	Brenda DiAntonis
Donna Savage	Peter Edwards	Lindsey Pierce	John Dubin
Mark Schiano		Andrea Polanowski	



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2008 YEAR OF THE FROG

MONTHLY ACTIVITY REPORT

Tracy Emmanuel
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in memory of beloved
conservationist***

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***And in memory of pioneering
biochemist and amphibian
biologist John Daly***

Ronald Gagliardo & Paul Huggett
Vicky Poole
Kevin Zippel & Lynn Kirkland

