



MONTHLY ACTIVITY REPORT

To: AArk Steering Committee and colleagues
From: AArk Staff
Subject: AArk monthly activity report for June 2008
Date: 5 July 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

- Probiotic anti-fungal bacterial baths, having previously been [shown](#) to lessen *Bd*-infection severity in moderately infectable (but non-susceptible) *Plethodon cinereus*, have now been [demonstrated](#) to reduce mortality from 50-60% to 0% in moderately susceptible *Rana muscosa*. Plans are developing to test a completely susceptible species like *Atelopus zeteki*.
- Further [research](#) on the role of basking in natural defense against *Bd* (Andrew Gray).
- [Toads in suburban areas are less likely to suffer from reproductive system abnormalities than toads near farms](#)
- [Can the "Amphibian Ark" Save Frogs From Pollution/Extinction?](#) in *Scientific American*
- [In the path of dinosaurs](#) and [Fight for the frogs](#) in *E: The Environmental Magazine*
- [Ark underway. Amphibians only need apply.](#) in *Earth & Sky* podcast
- [An amphibious assault](#) in *Globe and Mail*
- [World's Amphibians Under Assault](#) in the *Free Internet Press*
- YOTF [podcast](#) in *AAAS Science Update*
- video: *CBC News* (Canada) [amphibian extinction](#) (featuring our very own Jeff Bonner and David Green)

Amphibian/Herp Meetings

- Joint [Meeting](#) of Ichthyologists and Herpetologists in Montreal 23-28 July
- 6th World [Congress](#) of Herpetology in Brazil 17-22 August
- [Symposium](#) to create a national strategy for declining Chilean amphibians in Santiago TBD September
- [X Reunión Nacional de Herpetología](#) in Mexico 6-9 October
- VIII Latin-American [Congress](#) of Herpetology in Cuba 24-29 November

Funding available

- [CBOT grant applications are due 15 July. Hurry to apply; we are already reviewing them among CBSG, ASG, and ATAG for the requisite letters of endorsement...](#)
- [CEPF Amphibian Conservation Action Fund](#): deadline 18 July
- 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](#).

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).

Funding needed

- For species rescues in eastern Panama ([Houston budget proposal](#))
- For species prioritization workshops in Panama, India, Sri Lanka, Peru, Indonesia.
- For 2 Brazilian students to travel to the amphibian husbandry course in Toledo this November
- 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](#).

CURRENT

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

- Gordon Reid is the Chair of the AArk Executive Committee for the remainder of the year.
- Don Church replaces Joe Mendelson as ASG representative on the AArk Executive Committee.
- Joe Mendelson will continue to serve AArk as a Scientific Advisor.
- We welcome 2 new members to the AArk Steering Committee: Dr. Andrew Gray of Manchester Museum to represent the International Council of Museums (ICOM) and the natural history museum community, and Marcia Cziulik to represent Sociedade de Zoológicos do Brasil (SZB) and the Brazilian zoo community.
- Gerald Dick (WAZA) is leading efforts on a resolution calling for support of ACAP from the IUCN secretariat, commissions, and members.
- We are collecting results from an e-survey for the *ex situ* community to evaluate recent and planned amphibian conservation activities; the new deadline is 13 July.
- Joe Mendelson to attend and present at joint meeting of academic herp societies in July 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](#))

- [Amphibian Population Management Guidelines](#) completed
- 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 August.
- 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](#). Data for [Thailand](#) and [Hong Kong and Guandong Province](#) have recently been added.

Training & Other Capacity Building (compiled by AArk staff)

- Michael McFadden from Taronga Zoo in Sydney, Australia led a husbandry workshop in Thailand, June 4-6, 2008. Participants included 4 prominent Thai herpetologists from museums and universities, 10 zoo veterinarians, 2 prominent exotic pet veterinarians, 2 aquarium veterinarians, 3 professional amphibian

dealers, 20 zoo keepers from five Thai zoos, 2 aquarium keepers, 2 fisheries department officials and 3 members of an amateur herpetology group.

- Husbandry course planned for Indonesia in August 2008.
- Kevin Z, Joe Mendelson and Ron Gagliardo will teach at 7th AZA [Amphibian Biology & 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.
- Ithaca College and Boston University are interested in participating in conservation management of threatened amphibians; Kevin Z working with them on initial considerations.
- 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](#))

- The Sigalla caecilian *Boulengerula niedeni* from Africa is critically endangered. Some *Boulengerula* display unique characteristics including juveniles feeding on the mother’s skin. As almost nothing is known of their biology, husbandry or captive breeding. Antwerp Zoo is developing a research program for their captive breeding using the common ‘Mikudu’ *B. uluguruensis*.
- The survey of the amphibian research needs of zoos is in the final stages of compilation. This is being done in conjunction with the production of a guide for amphibian research in zoos. Please email any research priorities that you consider need canvassing to Robert.
- Robert gave a presentation about AArk programs at a meeting for German zoos at Aquazoo in Düsseldorf, and discussed their research priorities and challenges.
- Robert attended the first meeting of the International BioCryoBank Network (IBCN) in Trier, Germany. The foundations of an Ark program co-branded with the Frozen Ark for Cryobanking of amphibian genetic variation were established.
- Robert and researchers from China and Japan, and the USA are producing a review article of the conservation biology of giant salamanders including their reproduction in conservation breeding programs. A program is also being developed to complete a fine scale assessment of the distribution of genetic sub-populations of giant salamanders. Besides providing valuable information on their conservation status this will enable the allocation of captive salamanders to their place or origin to assist conservation breeding programs.
- A research section with a discussion forum are being established by Kevin Johnson and Robert on the AArk website.

Communications/Development (compiled by YOTF Campaign Manager [Lesley Dickie](#) & Taxon Officer [Kevin Johnson](#))

- **The AArk 2008 YOTF campaign:**
 - It is with great appreciation (and sadness) that AArk says goodbye to some wonderful friends this month. Lesley Dickie, who has been an invaluable asset to the AArk since she joined us last October, is moving on to lead EAZA and will no longer serve as our Campaign Manager. Many thanks to Lesley for her hard work, and to ZSL for letting us get half of her time over the past 9 months, even donated in 2008. For now, please direct all campaign queries to Kevin Z. We also say

goodbye to our friends at Fleishman-Hillard due to our financial limitations. Many thanks for their hard work for a solid year, and their instrumental efforts in getting the campaign off the ground. Jeff Davis in particular has really become infatuated with amphibians and has pledged to maintain his frog [blog](#). Fortunately for us, we are making new friends at www.SageFrog.com who will be helping us gratis with publicity. Their first project is to help create our poster for the World Conservation Congress; they will also help promote frog auctions and the 5 For Frogs campaign.

- Lesley spoke at the IUCN UK Committee meeting to encourage UK members to support the WAZA resolution on supporting the ACAP.
- Lesley met with representatives of Top Trumps to discuss the possibilities of a dedicated Amphibian Ark pack to be sold globally.
- The British and Irish Association of Zoos and Aquariums held their annual Parliamentary reception attended by good number of MP's and Lord's. BIAZA chose to highlight the Year of the Frog and this has stimulated much interest from those attending, who all received copies of the AArk leaflets.
- AArk receives news of events held by zoos from all over the world, but we particularly liked this recent story. Norden's Ark in Sweden opened their new Wetland Centre, including a threatened amphibian breeding unit. This was officially opened by the Crown Princess Victoria who unveiled a magnificent frog sculpture and was presented with a miniature of the sculpture to take home. When asked if the old story about a Princess kissing a frog was true the Crown Princess replied that it didn't work in her experience!
- Animal Planet's [Nigel Marven](#) is collaborating with AArk for his new "Reptiles and Amphibians Reign" series.
- Kevin Z gave AArk/YOTF presentations at [NAAC](#) and [IHS](#) conferences to encourage participation and support from those groups represented; both conferences will be donating a portion of their revenue to AArk. I also spoke at an amphibian exhibit [opening](#) at Seneca Park Zoo.
- **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 with French promised soon. 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, **4,065** 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 decreased a little this month, with 41,567 visits, resulting in 51,666 page views.

Month	Visits	Month	Visits		
Oct-06	306	Jul-07	2,420	Jun-08	41,567
Nov-06	331	Sep-07	4,754		
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 June 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		German site		Spanish site	
Web page	Views	Web page	Views	Web page	Views
index.htm	6888	index.htm	568	index.htm	418
yearofthefrog.htm	3644	yearofthefrog.htm	294	yearofthefrog.htm	276
online-petition.php	1869	frog_gallery.html	58	frog_gallery.html	66
donations.htm	1570	shop.htm	58	YOTFinfopack.htm	64
YOTFinfopack.htm	1287	aarkorganization.htm	36	shop.htm	44
shop.htm	909	contactus.htm	19	donations.htm	32
frog_gallery.html	704	donations.htm	19	search.htm	27
50ways.htm	641	zoocando.htm	17	whoweare.htm	24
ringtones.htm	389	databases.htm	15	search.htm	20
aarkorganization.htm	346	whoweare.htm	15	zoocando.htm	16
howyouhavehelped.htm	294	online-petition.php	14	contactus.htm	10
contactus.htm	239				
zoocando.htm	204				
whoweare.htm	202				
workingwherecounts.htm	192				
YOTFnews.htm	162				
Search.htm	127				
acknowledgements.htm	115				
husbandryworkshops.htm	109				

- Visitors to the web site during June came from 105 countries, with the following being the highest number of visitors:

Country/Territory	Visits
United States	4501
Canada	1108
Japan	1099
United Kingdom	644
Germany	539
Australia	310
Taiwan	250
Mexico	166
Netherlands	115
Colombia	115
France	107
Hong Kong	94
Spain	92
South Africa	83
Singapore	78
New Zealand	78
Sweden	69
India	62
Portugal	59

- **Fundraising and sponsorship**

- 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. Lesley made a number of contacts with zoos in US and Asia to ascertain their interest in the HOPart project
- 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 just completed and brought an additional \$10,100 to Venezuela. 3 more species will follow in [July](#), August, and September, with the September auction to be featured in an upcoming issue of *Men's Journal*.
- 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.
- 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
JULY 2008			
23-28	joint meeting of academic herp societies	Montreal, CANADA	Mendelson
26-27	YOTF speaking engagement, The Wild Center	Tupper Lake, NY, USA	Zippel
AUGUST 2008			
9	YOTF speaking engagement, Upstate Herp Association	Syracuse, NY, USA	Zippel
17-22	6th World Congress of Herpetology	Manaus, BRAZIL	Church, Gagliardo
TBD	prioritization workshop	INDONESIA	Johnson
TBD	husbandry workshop	INDONESIA	McFadden
SEPTEMBER 2008			
4	YOTF speaking engagement, Central Michigan University	Mount Pleasant, MI, USA	Zippel
OCTOBER 2008			
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	Bonner, Dickie, Johnson, Zippel
19-23	WAZA Annual Conference	Adelaide, AUSTRALIA	Bonner, Dickie, Johnson, Zippel
27	YOTF speaking engagement, Illinois Audubon Society	Deerfield, IL, USA	Zippel
28	YOTF speaking engagement, Chicago Zoological Society	Chicago, IL, USA	Zippel
NOVEMBER 2008			
6	Frog Symposium Meeting, Linnean Society of London	London, ENGLAND	Gibson
8-14	AZA Amphibian Biology & Management	Toledo, OH, USA	Gagliardo, Mendelson, Zippel
20-21	Frog symposium, Zoological Society of London	London, ENGLAND	Bonner, Dickie, Gibson, Johnson, Mendelson
24-29	VIII Latin-American Congress of Herpetology	Topes de Collantes, CUBA	Mendelson
TBD	Advanced husbandry workshop	Kuala Lumpur, MALAYSIA	Gaikhorst
APRIL 2009			
18-24	AZA Amphibian Biology & Management	Toledo, OH, USA	Gagliardo, Mendelson, Zippel
TBD	species prioritization workshop	CAMEROON	Browne, Gibson



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Acknowledgements 30 June 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
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
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
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
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
Jason Titus
Univ. of Chicago Laboratory Schools-5th
Grade Frog Club
Douglas Widener
Wisconsin Wetlands Association
Katherine Wright
Zoo New England

Up to \$100

Alta Vista Elementary
Anonymous
Mark Cain
Robert & Monique Canonico
William Chambley
Charlotte Connor
David Corsini
Janet Corson
Robert & Sue Dupré
Brett Eisenlohr
Mary Farr
Jonathan Foise
Marvin Goldberg
Judi Goldfader
Lee & Shirley Griffey
Terri Harmon
Elizabeth Hodgdon
Jennifer Hunter
Amanda Jackson

Wong Pak Ki
Andrew Luk
Madison Community Foundation
Diana Metrey
Meg Oakes
Steven Andrew Painter
Linda Pather
Amanda Pekin
Cynthia Petrella
Save the Prairie Society
Susan Schroeder
South View High School
Douglas Sovonick
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
Marcus Bingham
Cecelia Bland
Erica Booth
Bettina Brinkley
Jack & Margaret Broxholme
Alison Burt
Wallace Chin
Michael Chislock
Suzanne Conklin
Kayla Cruz
Ian & Ray Cummings
Laurent Daudet
Gaston & Mimi Daumy
Naomi Doak
Kimberly Egan
Stacey Fallis
Kendra Felisky-Watson
Bruce Ferguson
James Frank
Adam Frosh
Jean Garcia
Roberto & Barbara Garcia
Karen Glennemeier
Jeanette Glew

Charles Hall
Tracy Hart
Douglas Hull
Lars Gerner Jensen
Kitten Kephart
Floyd King
David & Marcie Klinger
Ulle Koolmar
Ron & Kathleen Kornak
Edward Kottmeyer
Jeff Kwolkoski
Nathaniel Lachenmeyer
Daymone Lorge
Ruben Lopez
Patricia Malone
Marena Marshall
Kathy Mathis
Melissa McCance
Sarah McCormack
Christopher Michaels
Marsha J. Moore
Jane Morris
John Muller
Michelle Paul
Andrea Peck
L. Keith Pflum
Linda Ray
Lisa Reisman
Nicole Rollins
Helen Sandland
Michael Sauer
Donna Savage
Mark Schiano
Michael Schlenker
Kelly Seals
Sharon Silverman
Joey Sinreich
Sarah Sokolowski
Christina Stanziano
Gretchen Stricker
Deborah Swain
Stacy Tate
Georgette Taylor
Louann Thogmorton
Hannah Turner
Nick Tutolo
Valdosta Jr. Woman's Club
Karen Valley & Meghan Namaste
George VanArsdale
Lisa Vertin
Gwendolyn Weeks & Michael
Steenbakkens
Elissa Wells
Javier Williams
Jenine Wilson
Rosalind Wombwell
Diana & Thomas Woods
Melissa Wojtylak in honor of Grace Anne
Zachary Wright
Dustin Wyant
Scott Zippel

Up to \$25

Jennifer Adams
Anonymous
Anonymous
Kade Ariani
Nicolas Barbieri
Lailah Estelle Battles
Matthew H. Becker
R. Alan Belzung
Ciara Boger
Bernard Boulay
Stephen Bowater
Jessica Bryan
Isabella C. Caldwell
Robert Caldwell
Adrienne Valdespino Caplan
Jamie Carney
Jessica Challis
Dorothy Clark
Shelley Comella
Michelle Contillo
Michael Cotignola
LeAnn Curry
Bruce Dain
Deborah Daniels
Drue Danz
Rebecca Davy
Jennifer Day
Detroit Zoo
Kri Dubois
Hannah Dunstan
Candis Ellis
Thomas Farkas
In memory of FatFrog
Edward Flanagan
Angela Ford
David Forrest
Wendy Free
Suzen Galvin
Peter Germuska
Melissa Graham
Catherine Griffiths
Martijn ter Haar
Jennifer Hagstrom
Lee Hall
Susan Handa
Barbara Harris
Ashley Heeren
Ben A. Hrach
Lauren Hruska
Elizabeth Lione Humke
Sylvia Hurdle
Jackie Irving
Laura Janszen
Chloe Jewel
Hazel Jones
Tony Jones
Adamandia Kapsalis
Adam Kennedy
Christina Kennedy
Anne King

Kathy Kirkland-Cady in honor of
Kevin Zippel
Kathy M. Krizek
In memory of Patricia June Lambert
Amber, Angus, & Noah Landry
Scott Lenhart
Abby Leone
Nicholas Leonetti
Mona Lorge
Rob Magnanti
Sally Mahoney
Sandra Maler
Angelica Martinez
Darla Michalicek
Lisa Miller
Paul Moss
Alissa Mudd
Samantha Nelson
Darren Noble
Thibault Normand
Jean Novotny
Michael Nunley
Vinod Oedairadjsingh
Kasey Parker
Linda Pellegrino
Lindsey Pierce
Andrea Polanowski
Patrice Powers
Mary Quinn
Harry Richards
Jessica Rodriguez
Justin Rosenthal & his Grandmother
Pete Ruppel
Donald & Anette Sadenwater
Mike Shelton
Janet Shen
Melanie Shurgalla
Jennifer Smith
Jodi Bolton Smith
Matt Smithson
Sonya Sobieski
Stephen J. Spill
Walter Staude
Bethany Stawasz
Mark Steele
Synnabar Graphics
Charles Thompson
Hiromi & Kenji Toyoshima
Angela Turri
Alex Vactor
William Valencia
Ioana Voiculescu
Diane Vormoli in honor of Stephen
Christina Weidner
Harold Weller
Valerie White
The Whites Family
Deborah Zeitman
Peter Zrinski

Up to \$10
Anonymous
Jill Baker
Erin Baldwin
Myles Barrineau
Marjorie Barton
Christina Blankenship
Debora Borba
Russell Bronson
Abe Brown
Alexandra Cartolano
McKay Caruthers
Marc Cieplinski
In honor of Mr. Clabaugh
Blanca Cohen
Catherine Comer
Jennifer Cornett
Matt Croskey
Charlotte Cullen
Anne Dennett
Brenda DiAntonis
John Dubin
Tracy Emmanuel
Steven Errick
Sharon Ferrell
Barbara Finch
Stephen Furgang
Joanna Gerwitz
James Gibbens
Ben Graham
Bri Handy
Shlomi Harif
Erika Harm
Johanna Harvey
Arlen Heeren
Molly Hilton
Justine Hirten
Rob Holden
L.H. Goorhuis-Hoogenberg
Io Entertainment
Holly Fiser
Anna Jobsis
John Kilpatrick
Marcella Klein
Collette Lash
Queenie Law
Joseph Layden
Phoebe Lenhart
Stephanie Liao
Ashley Lungwitz
Matt Lyon
Megan McEvers
Kevin McMahan
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Meredith Mahoney
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Guerry & Michelle Suggs
Karen A. Witter



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

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Vicky Poole
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