SYMPOSIUM 1. REPRODUCTION IN REPTILES: FROM GENES TO ECOLOGY

This is the first multidisciplinary symposium on reproduction in reptiles.

2. Organizers:

Professor Michael B. Thompson, Professor in Zoology
Dr Scott L. Parker, ARC Post-doctoral Research Associate

School of Biological Sciences (A08)
University of Sydney
NSW 2006, AUSTRALIA

Curriculum Vitae – M.B. Thompson

Professional Experience

Research interest: reproductive physiology of reptiles, especially evolution of viviparity.

Research Grants: approx AU$3M, mostly from the Australian Research Council
Conference papers: 80+ presentations, including 14 invites and 2 plenary lectures
Supervised: 30 Honours, 3 MSc and 14 PhD students.
Published: 127 referees papers, 24 abstracts, 25 reports and popular articles, 1 book

Curriculum Vitae – S.L. Parker
Ph.D. Virginia Polytechnic Institute and State University (Virginia Tech), U.S.A.

Professional Experience
2005-2006. Instructor, Department of Biological Sciences, Virginia Tech.
2006-present. ARC Post-doctoral Research Associate, University of Sydney, Australia.

Research Interest: Reproductive physiology of reptiles, regulation of placental angiogenesis.

Research Grants: approx U.S.$5000.00, including Sigma Xi and Virginia Academy of Science.

Conference Papers: 10 presentations at national and international conferences.

Publications: Papers published in Biological Journal of the Linnean Society, Physiological and Biochemical Zoology, Oecologia, and Comparative Biochemistry and Physiology A.

Participants who will be presenting papers

1. Phylogenetic patterns in the reproductive biology of chameleons.

Authors:

Robin M. Andrews (Professor of Biological Sciences)- Presenter
Department of Biological Sciences
Virginia Polytechnic Institute and State University
Blacksburg, VA U.S.A. 24061
2. Specializations for placentotrophy in African skinks, and their evolutionary implications.

Authors:

Daniel G. Blackburn (Professor of Biology)- Presenter
Department of Biology,
Trinity College
Hartford, CT USA

Dr. Alex Flemming
Department of Botany and Zoology,
University of Stellenbosch
7600 South Africa


Authors:

J. Sean Doody (Research Fellow)-Presenter
Institute for Applied Ecology
University of Canberra
Canberra, ACT Australia

4. Reproductive Patterns in viviparous and oviparous lizards in Patagonia: convergent evolution in the Southern Hemisphere

Nora Ibargüengoytía- Presenter
Departamento de Zoología
Centro Regional Universitario Bariloche
Universidad del Comahue
San Carlos de Bariloche
Argentina

Jorgelina Medina Marlin Borettto
Instituto Nacional de Investigaciones en Biodiversidad y Medioambiente (INIBIOMA)
Consejo Nacional de Investigación y Técnica (CONICET)
Argentina

5. Can individual plasticity in nesting phenology mitigate the impacts of climate change on populations of reptiles with TSD?

Authors

Fredric J. Janzen (Professor)- Presenter
6. **Endocrine influences on gestation in viviparous lizards**

Authors:

Susan M. Jones (Associate Professor and Head of School)-**Presenter**
School of Zoology
University of Tasmania
Hobart, TAS Australia

7. **Geographical patterns in variation in life-history traits and genetic structure of the northern grass lizard, Takydromus septentrionalis**

Authors:

Xiang Ji (Professor and President of China Herpetological Society)-**Presenter**
College of Life Sciences
Nanjing Normal University
Nanjing, Jiangsu, China

Yao Cai (Associate Professor)
College of Life Sciences
Nanjing Normal University
Nanjing, Jiangsu, China

8. **Thermoregulation of the Sceloporus torquatus group: consequences on distribution and life history traits**

Authors:

Fausto R. Méndez de la Cruz (Professor)-**Presenter**
Department of Biology
Universidad Nacional Autónoma de México
Distrito Federal, Mexico

Rafael Lara Resendiz
Department of Biology
Universidad Nacional Autónoma de México
Distrito Federal, Mexico

Norberto Martínez Méndez
9. Amniotic rhythmic contraction in reptile embryogenesis

Authors:

Nechaeva Marina, PhD (Senior Scientist)-Presenter
Institute of Developmental Biology,
Russian Academy of Sciences
Laboratory of Developmental Biophysics
Moscow, Russia

10. Effects on Tuatara nesting ecology with climate change

Authors:

Nicola J. Nelson, PhD (Senior Lecturer)-Presenter
School of Biological Sciences
Victoria University of Wellington
New Zealand

Susan Keall (Conservation Biology Technician)
School of Biological Sciences
Victoria University of Wellington
New Zealand

Charles Daugherty (Assistant Vice Chancellor)
Victoria University of Wellington
New Zealand

11. Cytokines in vertebrate reproduction

Authors:

Luana Paulesu (Professor of Physiology)-Presenter
Department of Physiology
University of Siena
Italy

Elisa Bigliardi, Silke Jantra, Fabio Maria Guarino, Roberta Romagnoli, Francesca Letta.
Department of Physiology
University of Siena
Italy.

12. Regulation of uterine angiogenesis in squamate reptiles: implications for the evolution of reptilian viviparity

Authors:
Rajkumar Radder (Post-doctoral Research Fellow)-Presenter
School of Biological Sciences (A08)
The University of Sydney
Sydney, NSW Australia

Richard Shine (Professor of Evolutionary Biology)
School of Biological Sciences (A08)
The University of Sydney
Sydney, NSW Australia

14. The evolution of placental calcium transport

Authors:
Jim Stewart (Senior Research Scientist)-Presenter
Department of Biological Sciences
East Tennessee State University
Johnson City, TN U.S.A.

Introduction to symposium

Michael B. Thompson (Professor Zoology)-Presenter
School of Biological Sciences (A08)
The University of Sydney
Sydney, NSW Australia
15. The evolutionary and molecular basis of sex-determining mechanisms in reptiles

Authors:

Alexander E. Quinn (Graduate Student)-Presenter
Institute of Applied Ecology
University of Canberra
Canberra, ACT NSW Australia

Arthur Georges (Professor)
Institute of Applied Ecology
University of Canberra
Canberra, ACT NSW Australia

Stephen D. Sarre (Associate Professor)
Institute of Applied Ecology
University of Canberra
Canberra, ACT NSW Australia

Tariq Ezaz, PhD
Institute for Applied Ecology
University of Canberra
Canberra, ACT NSW Australia

Jennifer A. Marshall Graves (Professor)
School of Biological Sciences
The Australian National University
Canberra, ACT NSW Australia

Posters

1. Female “hemipenes” and sexual differentiation in viviparous lizards

Authors:

Alison Cree (Associate Professor)-Presenter
Department of Zoology
University of Otago
Dunedin, New Zealand

Kelly Hare (Post-doctoral Fellow)
Department of Zoology
University of Otago
Dunedin, New Zealand

Anne Besson
Department of Zoology
University of Otago
2. Development of eye structures in turtles Emys orbicularis

Authors:

Ina G Panova, PhD (Senior Research Scientist) - Presenter
Kol’tsov Institute of Developmental Biology
Russian Academy of Sciences
Vavilova 26
Moscow, Russia

Tatiana V. Khokhlova, PhD (Senior Research Scientist)
Institute for Information Transmission Problems
Russian Academy of Sciences
B. Karetnyi per 19
Moscow, Russia

3. Effect of incubation temperature on oxygen consumption during pond turtle embryogenesis

Authors:

Irina G. Vladimirova, PhD (Senior Scientist) - Presenter
Institute of Developmental Biology
Russian Academy of Sciences
Laboratory of Developmental Biophysics
Vavilov Str 26
Moscow, Russia

Marina Nechaeva, PhD (Senior Scientist)
Institute of Developmental Biology
Russian Academy of Sciences
Laboratory of Developmental Biophysics
Vavilov Str 26
Moscow, Russia

Tatyana Alekseeva, PhD (Senior Scientist)
Institute of Developmental Biology
Russian Academy of Sciences
Laboratory of Developmental Biophysics
Vavilov Str 26
Moscow, Russia

The evolution of placental calcium transport

Authors:
Jim Stewart (Senior Research Scientist) - Presenter

**Note: Jim is also presenting a paper in the symposium. He would like to include a poster highlighting the current research that some of his students are doing.**

Department of Biological Sciences
East Tennessee State University
Johnson City, TN U.S.A.
Purpose: This symposium will include an international community of biologists working on invasive reptiles and amphibians, so as to establish a working network for sharing data, ideas, and potential control tools.

Organizers:

Robert N. Reed, PhD: Invasive Species Science, USGS Fort Collins Science Center, 2150 Centre Ave, Bldg C, Fort Collins CO 80526 USA

Brief biosketch: Dr. Reed is a principal investigator for the USGS Brown Treesnake Project, which conducts research on Brown Treesnakes on Guam in order to aid in control efforts and prevent spread to other islands. He is also a PI on several projects in Florida, aimed at research and control efforts for invasive Burmese Pythons and other giant constrictors.

Fred Kraus, PhD: Vertebrate Zoologist, Department of Natural Sciences, Bishop Museum, 1525 Bernice St., Honolulu, HI 96817 USA

Brief biosketch: Dr. Kraus is a vertebrate zoologist at the Bishop Museum, with a sunny demeanor and a wide range of research interests. His research foci include evolution and conservation of insular herpetofaunas, evolution and biogeography of the Papuan herpetofauna, patterns and processes of herpetofaunal invasions, and evolution of advanced snakes. He is currently writing a book on invasion pathways for reptiles and amphibians.

Christina Romagosa, PhD Candidate: Department of Biological Sciences, Auburn University, 331 Funchess Hall, Auburn University, Alabama 36849-5414 USA

Brief biosketch: Ms. Romagosa’s dissertation focuses on invasion risks associated with importation of vertebrates into the United States. She has organized several symposia on the topic, including one at the Ecological Society of America, and is interested in examining whether general ecological patterns postulated for invasive taxa are applicable to invasive reptiles and amphibians.

Speakers:

1. Hidetoshi Ota: "Status of alien reptiles and amphibians in Japan and prospects for their management."
Hidetoshi Ota: Professor; Tropical Biosphere Research Center, University of the Ryukyus; Senbaru 1, Nishihara, Okinawa 903-0213; Japan

2. Fabian M. Jaksic & Gabriel A. Lobos: "Invasive reptiles and amphibians in Chile."
Prof. Dr. Fabian M. Jaksic, Ph.D., and Dr. Gabriel A. Lobos, DVM and Ph.D. candidate: Center for Advanced Studies in Ecology and Biodiversity, Catholic University of Chile, Santiago, Chile.

3. K. Heidy Kikillus, Stephen Hartley, Kelly Hare, & Brett Gartrell: “Exotic reptiles: A risk analysis for New Zealand”
K. Heidy Kikillus: PhD Candidate: Ecology and Biodiversity, Victoria University of Wellington, P.O. Box 600, Wellington 6140, New Zealand
Jim Foster: Amphibian Specialist, Natural England, Northminster House, Peterborough PE1 1UA, UK.

5. Purnima Govindarajulu: “To kill or not to kill: Introduced bullfrogs exemplify the complexities of invasive vertebrate management”
Purnima Govindarajulu: Adjunct Professor, University of Victoria, Small Mammal and Herpetofauna Specialist, Wildlife Science Section, Ministry of Environment, PO Box 9338 Stn Prov Govt, Victoria, BC, V8W 9M1 Canada

6. Nathaniel B. Hawley: “Utilizing a public awareness campaign to generate support for policy and improve rapid response efforts”
Nathaniel B. Hawley: Commonwealth of the Northern Mariana Islands Division of Fish and Wildlife Brown Treesnake Program, Lower Base, #10007 Saipan, MP 96950

7. Nicola van Wilgen, David M. Richardson, and Ernst Baard: “A risk assessment model for alien reptiles and amphibians of application in South Africa”
PRESENTATION CAN ONLY BE PRESENTED IF THE SPEAKER RECEIVES FINANCIAL ASSISTANCE.
Nicola van Wilgen: MSc-Student, DST-NRF Centre for Invasion Biology, Department of Botany and Zoology, University of Stellenbosch, P/Bag X1, Matieland, 7602 South Africa
David M. Richardson: Professor and Deputy Director, DST-NRF Centre for Invasion Biology, Department of Botany and Zoology, University of Stellenbosch, P/Bag X1, Matieland, 7602 South Africa
Ernst Baard, Ph.D.: CapeNature, Assegaaibosch Nature Reserve, Jonkershoek, P/Bag X5014, Stellenbosch, 7599, South Africa

8. Kimberly Burnett and Brooks Kaiser: "Modeling the economic impacts of invasive Brown Treesnakes on Oahu"
Kimberly Burnett: Assistant Professor, University of Puget Sound, Department of Economics, 1500 N. Warner Street, CMB 1057, Tacoma, WA 98416, USA
Brooks Kaiser: Associate Professor, Gettysburg College, Department of Economics, Box 391, Gettysburg, PA 17325, USA
Ben L Phillips: “The evolutionary consequences of invasion: toads in the Top End”
Ben L Phillips, PhD: ARC Postdoctoral Fellow, Tropical Ecology Research Facility, University of Sydney, PO Box 441 Humpty Doo NT 0836.

Susan Walker and Matthew C Fisher: Imperial College, Division of Primary Care & Population Health Sciences, Imperial College, St. Mary's Hospital, Norfolk Place, W2 1PG, London, UK
10. Daniel Vice: “Preventing the spread of Brown Treesnakes from Guam”
Daniel Vice: Assistant State Director, USDA, APHIS, Wildlife Services, HI/GU/Pacific Islands, USA

Christina M. Romagosa: Doctoral Candidate, Department of Biological Sciences, Auburn University, 331 Funchess Hall, Auburn University, Alabama 36849-5414 USA.

12. Gordon Rodda, Catherine Jarnevich, and Robert N. Reed: “Using climate matching to predict the potential range of invasive reptiles”
Gordon Rodda, Catherine Jarnevich, and Robert N. Reed: Invasive Species Science, USGS Fort Collins Science Center, 2150 Centre Ave, Bldg C, Fort Collins CO 80526 USA

13. Robert N. Reed, Gordon H. Rodda, and Julie A. Savidge: “Growth rates of Brown Treesnakes on Guam in a bounded population: Implications for control and interdiction”
Robert N. Reed and Gordon H. Rodda: Invasive Species Science, USGS Fort Collins Science Center, 2150 Centre Ave, Bldg C, Fort Collins CO 80526 USA
Julie A. Savidge: Department of Fish, Wildlife, and Conservation Biology, Colorado State University, Fort Collins, CO 80523

Frank Mazzotti: University of Florida – FLREC, 3205 College Ave, Davie, FL 33314, USA
Ray F. Snow: U.S. National Park Service, Everglades National Park, 40001 SR 9336. Homestead, FL 33034, USA

15. Michelle Christy, Julie A. Savidge, and Gordon H. Rodda: “Pathways of recent amphibian invasions in the Mariana Islands”
Michelle Christy and Julie A. Savidge: Department of Fish, Wildlife, and Conservation Biology, Colorado State University, Fort Collins, CO 80523
Gordon H. Rodda: Invasive Species Science, USGS Fort Collins Science Center, 2150 Centre Ave, Bldg C, Fort Collins CO 80526 USA

Fred Kraus: Vertebrate Zoologist, Department of Natural Sciences, Bishop Museum, 1525 Bernice St., Honolulu, HI 96817 USA
Brooks Kaiser: Associate Professor, Gettysburg College, Department of Economics, Box 391, Gettysburg, PA 17325, USA
Kimberly Burnett: Assistant Professor, University of Puget Sound, Department of Economics, 1500 N. Warner Street, CMB 1057, Tacoma, WA 98416, USA

18. Fred Kraus. "Pathways and patterns of herpetological introductions since 1850."
Fred Kraus: Vertebrate Zoologist, Department of Natural Sciences, Bishop Museum, 1525 Bernice St., Honolulu, HI 96817 USA

19. Stephen Sarre: "Invasive Species Education in Australia"
Stephen Sarre, PhD: Applied Ecology Research Group, University of Canberra, ACT 2601, Australia

Marc Girondot, PhD: Muséum National d'Histoire Naturelle de Paris, Département de Systématique et Evolution, Laboratoire des Reptiles et Amphibiens, 25 rue Cuvier, 75005 Paris, France

Robin Moore: Amphibian Conservation Officer, Conservation International, 2011 Crystal Drive, Suite 500, Arlington, VA 22202 USA
Richard A. Griffiths: Durrell Institute of Conservation and Ecology, Department of Anthropology, University of Kent, Canterbury
6WCH SYMPOSIUM 3: Sensory Ecology of Anuran Communication

Anurans are model systems for understanding the patterns and processes of signal evolution

ORGANIZERS: T. Ulmar Grafe and Peter M. Narins

T. Ulmar Grafe: Associate Professor, Department of Biology, University Brunei Darussalam, Tungku Link, Gadong BE 1410, Brunei Darussalam. Phone: +673-2463001, Fax: +673-2461502, Email: ulmar@fos.ubd.edu.bn

PhD from Cornell University (1995). Habilitation from the University of Würzburg (2001). His research interests are: Systematics and biodiversity of amphibians and reptiles, community ecology of rain forest stream amphibians in Borneo, behavioural ecology and communication in foot-flagging frogs, respiratory physiology of calling inanurans and sensory ecology of blood-sucking flies and their frog hosts.

Peter M. Narins: Professor, Departments of Physiological Sciences and Ecology & Evolutionary Biology, University of California, Los Angeles, CA 90095-1606. Email: pnarins@ucla.edu

PhD from Cornell University (1976). AAAS Fellow (1997). Editor of the Journal of Comparative Physiology. Editor of recent book on Hearing and Sound Communication in Amphibians (Springer Verlag, 2007). His research interests are: Frog robotics, novel sound pathways in amphibians, seismic communication, ultrasonic sound production in frogs, sound localization, energy flow in the frog ear, frog chorus interactions, crossmodal binding, middle ear mechanics, and hair cell function.

Title of talks and authors (asterisks indicate presenters)

1. How do frogs solve the ‘cocktail party problem’?

Mark A. Bee

Assistant Professor, Department of Ecology, Evolution, and Behavior
University of Minnesota, USA

Importance: Has used frogs as model systems to investigate how organisms communicate in noisy social settings. He has advanced our understanding of the mechanisms underlying the human cocktail party problem. He is one of the major researchers shaping the field of anuran communication.

2. Communication in a noisy environment: eco-acoustic and visual signalling in
Stauropsis latopalmatus

Doris Preininger*, Markus Böckle and Walter Hödl

Doctoral Candidate, Department of Evolutionary Biology, University of Vienna, Austria

Importance: Has studied the shift of frogs from acoustic to visual communication and advanced techniques in robotics to manipulate visual signals.

3. Ultrasound communication in ranid frogs

Victoria Arch*, T. Ulmar Grafe and Peter M. Narins

Doctoral Candidate, Department of Ecology and Evolutionary Biology, University of California Los Angeles, USA

Importance: Is investigating novel and unusual mechanisms of sound production and hearing in anurans. She has made significant contributions to ultrasound recording and playback.

4. Call plasticity in anurans: the effect of the structure of the environment

Lucia Ziegler* and Matías Arim

MSc Candidate, Department of Zoology, Universidad de la República, Uruguay

Importance: Has advanced our understanding of the variability in anuran calling behaviour and its environmental correlates.

5. Shhh...they might hear us: Interaction between Corethrella blood-sucking flies and their anuran prey

Ximena Bernal

Postdoctoral Researcher, Section of Integrative Biology, University of Texas at Austin, USA

Importance: She has added an additional component to our understanding of the selective pressures acting on signal design and signaling behaviour in anurans. She has contributed significantly to our understanding of anuran communication networks.

6. Communication in network environments

T Ulmar Grafe

Associate Professor, Department of Biology, University Brunei Darussalam, Brunei Darussalam
7. Functional mapping of auditory responses to mate-choice cues  
Sabrina S. Burmeister  
Assistant Professor, Department of Biology, University of North Carolina, Chapel Hill, USA  
Importance: Has provided novel insights into the functional mechanisms of hormonal modulation of phonotaxis in anurans and the associated neuronal pathways.

8. Modulation of frequency response of the tympanic membranes in frogs  
Marcos Gridi-Papp  
Postdoctoral Researcher, Department of Ecology and Evolutionary Biology, University of California Los Angeles, USA  
Importance: Has made major contributions to our understanding of sound localization, energy flow in the frog ear, and middle ear mechanics.

9. Irrational cues in predator-induced hatching of red-eyed treefrogs  
Karen Warkentin*, Michael S. Caldwell, and J. Gregory McDaniel  
Assistant Professor, Biology Department, Boston University, USA  
Importance: Has studied the behavior, ecology, evolution, and development of early life stages of amphibians (i.e. eggs and tadpoles), and interactions with their natural enemies.

10. Vibrational signalling in male-male agonistic interactions of red-eyed treefrogs  
Michael Caldwell*, J. Gregory McDaniel and Karen M. Warkentin  
Doctoral Candidate, Biology Department, Boston University, USA  
Importance: Is investigating the role of vibrational communication in frogs. This work will invigorate the field of anuran sensory ecology.

11. Evolution of visual communication  
Adolfo Amézquita  
Professor, Universidad de los Andes, Bogotá, Colombia
Importance: He has made a major contribution to our understanding of the important role of visual communication in anurans.

12. **Roundtable discussion**

A roundtable discussion will conclude the symposium. It will offer senior researchers in the field of anuran communication to comment on the recent developments in the field and for participants to identify future problems still to be tackled.
6WCH SYMPOSIUM 5: Herpetofaunal Reintroductions, Translocations, and Supplementations

Reintroductions and translocations have become important tools for the conservation management of herpetofauna worldwide; the goal of this symposium is to discuss techniques and issues involved with these tools.

ORGANIZERS:
Jen Germano
PhD Student
Zoology Department
University of Otago
P.O. Box 56
Dunedin New Zealand

Phil Bishop
Senior Lecturer
Zoology Department
University of Otago
P.O. Box 56
Dunedin New Zealand

Robert Cook (National Park Service, USA) “The role of translocations in the restoration of the herpetofaunal community of Gateway NRA: potentials and limitations of translocations”

Kimberly Miller (Victoria University, New Zealand) Potential Loss of Genetic Diversity in Source and Translocated Populations of Tuatara

Jim Foster, English Nature, Herpetofaunal translocations in the UK: policy and practice

Richard Griffiths and Brett Lewis. Translocations as a tool for mitigating the impacts of development

Richard Gibson (Chester Zoo; AArk). The Role of Captive Breeding in Herpetofaunal Reintroductions

Ben D. Bell & Kerri Lukis (Victoria University) Lessons learnt from two translocations of Leiopelma pakeka, a terrestrial frog from New Zealand

Tracey Tuberville: Penning of Tortoises to Improve Site Fidelity Following Translocation. THIS PRESENTATION CAN ONLY BE PRESENTED IF THE SPEAKER RECEIVES FINANCIAL ASSISTANCE.

6WCH Symposium 7: THE BIOLOGY AND MANAGEMENT OF CROCODILIANS

Organizers John. Thorbjarnarson and Kent Vliet
Contact jthorbjarnarson@wcs.org

1. Frank Mazzotti. The recovery of American crocodiles in Florida
2. Chris Brochu. The role of paleontological information in the conservation of crocodylians.
3. Lew Desmore. Genetic variation and interspecific hybridization in New World Crocodiles: Implications for Conservation and Management
4. Val Lance. The reproductive cycle of the American alligator
6. Marcos Coutinho. The management of caiman in Brazil
10. William Vascolcelos. Diversity and distribution of Caimans from Amazon to Pantanal - Brazil
11. J. Thorbjarnarson and Ronis de Silveira. Challenges for Caiman management in South America
6th WCH Symposium 8: Herpetological Conservation & Biology

Organizer:
Bob Brodman, Biology Department, Saint Joseph’s College, IN, 47978, USA. E-mail: bobb@saintjoe.edu, Phone 219-866-6215, FAX 219-866-6300

Co-chairs:
Bob Murphy, Centre for Biodiversity & Conservation Biology, Department of Natural History, Royal Ontario Museum, 100 Queen’s Park, Toronto, Canada. E-mail: drbob@zoo.utoronto.ca, Ben Bell, School of Biological Sciences, Victoria University of Wellington, PO Box 600, Wellington, New Zealand. E-mail: ben.bell@vuw.ac.nz, Phone: +64-4-463-5570, Fax: +64-4-463-5331

The organizer and co-organizers are ready to assume the organization of a symposium on Herpetological Conservation and Biology.

Goal: In addition to the many species of amphibians and reptiles that are threatened with extinction, NatureServe lists one quarter of amphibian species and one in six squamate species as data deficient. Despite the need for natural history information, several influences have reduced natural history publishing in herpetology journals. However, baseline and natural history information is essential for informed conservation efforts, and much conservation activity relies on understanding life history dynamics. The open-access, peer-reviewed journal Herpetological Conservation and Biology (HCB) proposes an international symposium on the life history ecology, management and conservation of amphibians and reptiles. The focus of the symposium will be to demonstrate the importance of natural history to practical conservation efforts. Presentation topics will include:

* Life history (reproduction, physiology, etc.)
* Sampling (design, techniques)
* Inventory and long-term monitoring
* All aspects of ecology, especially field studies
* Management Case Studies

A second goal of the symposium is to strengthen the ties between HCB and its co-sponsor WHC. HCB provides an opportunity to publish this symposium. Many international researchers do not have fees to access many journals, and will be attracted to HCB because of its free downloads and page charges. By providing an outlet for natural history and basic conservation/management manuscripts, HCB facilitates information exchange in a rapid and timely manner, improves conservation efforts, and reduces overall costs to conservation through reduction of duplicated efforts.
Potential Speakers:

1. Natalia Ananjeva (Russia): Eurasian lizards

2. Omar Attum (Egypt): Egyptian Tortoise conservation

3. Georgina Santos Barrera (Mexico): Mexican amphibian conservation


7. R Bruce Bury (USA): Amphibian declines in western North America: Where’s the beef or do we have assessments all ass-backwards?

8. Mathieu Denoel (Belgium): landscape ecology, invasive species, heterochrony and extinction in European "Triturus" newts.

9. Michael Dorcas (USA): Sampling design and techniques

10. Gary Fellers (USA): Pesticides and amphibian declines in mountain populations


15. Nancy Karraker (Hong Kong): Relative importance of tadpole biomass to stream communities in Hong Kong.


17. Bruce Kingsbury (USA): Natural History and Snake Conservation in the Midwestern United States

18. Mike Lannoo (USA): Amphibian declines.


22. Nicola Nelson (New Zealand): Conservation and Natural History of Tuataras


Geography
General: 2
North America: 8 (Canada 1, USA 7)
Latin America: 3 (Mexico 1, Brazil 1, Virgin Islands 1)
Europe: 1 (Belgium 1)
Asia: 5 (China 1, Hong Kong 1, Thailand 1, Indonesia 1; United Arab Emirates)
Australasia: 2 (New Zealand 2, Australia 0)
Africa: 0

Taxa
Herps 3
Amphibians 11
  Frogs 3
  Salamanders 2
Reptiles 8
  Snakes 4
  Lizards 1
  Tuatara 1
  Crocodylians
  Turtles 1

Need more non-snake reptiles
Need African & European
Biogeography of the South and South East Asian Herpetofauna

Goal: to advance understanding of the biogeography of the megadiverse South and South East Asian herpetofauna by improving communication among leading workers in the field.

Organizer:
Dr David J. Gower
Researcher and Co-Head of Herpetology Research Group
Department of Zoology
The Natural History Museum
London SW7 5BD
UK
d.gower@nhm.ac.uk
Tel: +44 (0)207 942 5080
Fax: +44 (0)207 942 5054

I am 38 and have worked at the Natural History Museum since 1999. I study caecilian amphibians (Gymnophiona) and burrowing and aquatic snakes, with S/SE Asia as one of my main focuses. My previous track record in the symposium topic can be summarized by these two publications:


Speakers/Topics:
All of the following have provisionally agreed to participate.

1. Dr Christopher Austin (Assistant Professor, Museum of Natural Science, Louisiana State University, USA)
   *Earth history and the megadiverse New Guinean lowland herpetofauna*

2. Dr Raoul Bain (Biodiversity Specialist, Herpetology, American Museum of Natural History, New York, USA)
   *Diversity and distribution of the herpetofauna of Laos, Cambodia, and Vietnam*

3. Dr David Bickford (Postdoctoral Fellow, Biological Sciences, National University of Singapore, Singapore)
   *Straddling Wallace’s Line: frogs of the genus Oreophryne offer new insights into SE Asian biogeography*

4. Dr S. D. Biju (Professor, Environmental Biology, University of Delhi, India)
   *Diversity and distribution of Indian amphibians and the impact of DNA taxonomy*
5. Dr Franky Bossuyt and/or Ms Ines Van Bocxlaer (Head of Amphibian Evolution Lab/PhD student, Biology, Free University of Brussels, Belgium)
   *Biogeography of frogs of the Indian subcontinent*

6. Drs Arvin & Mae Diesmos (Postdoctoral Fellows, Biological Sciences, National University of Singapore, Singapore)
   *Biogeography of Philippines herpetofauna.*

7. Dr David J. Gower (Researcher, Zoology, The Natural History Museum, London, UK)
   *Caecilian amphibians and Asian biogeography*

8. Dr L. Lee Grismer (Professor, Biology, La Sierra University, USA) and Cambodian colleagues
   *Exploration of the Cardamom Mountains of Cambodia: a biogeographical link between the Indomalayan and Indochinese herpetofauna*

9. Dr Fred Kraus and/or Dr Allen Allison (Zoologists, Bishop Museum, Honolulu, USA)
   *Herpetological biogeography of the Papuan region*

10. Dr Ulrich Kuch (Researcher, Herpetology, Senckenberg Museum, Frankfurt, Germany)
    *Did climatic or geological events dominate the cladogenesis of elapid snakes in South and Southeast Asia*

11. Dr Jimmy McGuire (Assistant Professor, Integrative Biology, University of California, Berkeley, USA)
    *Biogeography of Sulawesi – evidence from the phylogenetics and population genetics of reptiles and amphibians*

12. Dr Stephen J. Richards (Research Scientist, Vertebrates, South Australian Museum, Adelaide)
    *Patterns of frog diversity on New Guinea, the world's largest tropical island*

13. Dr Jodi Rowley (Biologist, Conservation International, Phnom Penh, Cambodia)
    *Herpetology of Cambodia*

14. Kate L. Sanders (Postdoctoral Fellow, University of Adelaide, Australia)
    *Phylogeography of the file snakes Acrochordus*

15. Dr Eric Smith (Assistant Professor, Biology, University of Texas, Arlington, USA) and colleagues
    *New species and tadpole diversity: Rapid montane sampling and molecular techniques discover spectacular anuran genetic diversity and biogeographic structure in Sumatra*

16. Dr Bryan Stuart (Postdoctoral Fellow, Integrative Biology, University of California, Berkeley, USA)
    *Species complexes and species boundaries in SE Asian frogs – the implication of cryptic species for biogeography*
Mr Jeet Sukumaran (PhD student, Ecology and Evolutionary Biology, University of Kansas, USA)

Herpetology of the Malay peninsula

THIS PRESENTATION CAN ONLY BE PRESENTED IF THE SPEAKER RECEIVES FINANCIAL ASSISTANCE
Organizers:

Robert Jehle  
School of Environment and Life Sciences  
University of Salford  
M5 5BW Salford, Greater Manchester  
United Kingdom  
Ph: 0044 (0)161 2952146  
Email: R.Jehle@salford.ac.uk  

Robert is interested in population processes in amphibians, by using a combination of field and molecular genetic approaches.

Trent Garner  
Institute of Zoology  
Zoological Society of London  
Regents Park  
London  
NW1 4RY  
United Kingdom  
Ph: 00 44 (0)20 7449 6687  
Email: Trent.Garner@ioz.ac.uk  

Trent is interested in how mating behaviour and disease emergence may influence population genetic structure, and vice versa.

Participants:

1. Pim Arntzen (Naturalis Leiden, The Netherlands: to be confirmed)

2. Dan Edwards (Australian National University, Canberra, Australia): The convoluted biogeographic history of southwestern Australian herpetofauna: conservation implications (to be confirmed)

3. Francesco Ficetola (University of Milan, Italy): Census size, polygyny and effective population size in small populations of the threatened frog *Rana latastei*

4. W Chris Funk (College of William and Mary, Virginia, USA): to be confirmed

5. Susanne Hauswaldt (University of Braunschweig, Germany): MHC class II - a novel marker for amphibian conservation genetics

6. Robert Jehle (University of Salford, UK): The genetic structure of toad populations under long-term, natural fragmentation
7. David Lesbarreres (Laurentian University, Canada): Developmental Instability and Amphibian Conservation

8. Mollie Manier (Stanford University, USA): Beyond Fst: a multidisciplinary approach to conservation genetics

9. Hilary Miller (University of Wellington, New Zealand): Conservation genetics and the MHC: a case study on tuatara (to be confirmed)

10. H Bradley Shaffer (UC Davis, USA): Conservation genetics in the California tiger salamander (to be confirmed)

11. Sebastian Steinfartz (University of Bielefeld, Germany): Conservation genetics of Galapagos marine iguanas

12. Andrew Storfer (Washington State University, USA): Landscape genetics as a new tool for amphibian conservation
6WCH Symposium 11: "THE BIOLOGY OF NEOTROPICAL POISON FROGS AND THEIR RELATIVES (DENDROBATOIDEA)"
Organizers: Taran Grant & Stefan Lötters

Neotropical poison frogs and their relatives (Dendrobatoidea) have been the focus of extensive research in a broad diversity of fields for decades. In recent years, however, there has been a wave of new findings that point to new and challenging areas of research. This interdisciplinary symposium will bring leading experts from around the world together to present their findings to the broader herpetological community and share their experiences with the goal of exchanging theoretical and empirical information and forging future collaborations.

1. Paleoclimate and species diversity: molecular insight into the evolutionary history of dart-poison frogs
Brice Noonan
The University of Mississippi
Department of Biology
USA

2. Safeguarding nature's pharmaceutical treasure chests: The role of ex situ breeding in conservation of dendrobatid (poison) frogs
Ron Gagliardo
The Dorothy C. Fuqua Conservatory
Atlanta Botanical Garden
USA

3. Conservation status of aromobatid frogs in the Venezuelan Andes
Enrique La Marca
Laboratorio de Biogeografia
Universidad de Los Andes
Mérida, Venezuela

4. Evaluating key behavioral and environmental factors contributing to the evolution of biparental care in Peruvian poison frogs
Jason Brown [presenter] and Kyle Summers
East Carolina University
Department of Biology
USA

5. On the use of phytotelmata for tadpole deposition in Andean species of Ranitomeya
Adolfo Amézquita
Departamento de Ciencias Biológicas
Universidad de los Andes
Bogotá, Colombia

6. Allobates femoralis (Dendrobatidae): A handy "white rat" for anuran field bioacoustics
7. Amazonian poison frogs during the Last Glacial Maximum (LGM): potential distributions based on climate envelope models
Stefan Lötters
Trier University
Faculty of Geography/Geosciences
Biogeography Department
54286 Trier, Germany

8. Chemical ecology of dendrobatids: A review of dietary arthropods and their contribution to chemical defense
Ralph Saporito
Old Dominion University
Department of Biology
USA

9. The phylogeny of dendrobatoids and the evolution of alkaloid defense
Taran Grant
Faculdade de Biociências
Pontificia Universidade Católica do Rio Grande do Sul (PUCRS)
Av. Ipiranga 6681
90619-900
Porto Alegre, RS, Brasil

10. Reproductive biology of dendrobatoids [tentative title]
Karl-Heinz Jüngfer
Gaiddorf, Germany

11. Behavioral ecology of Oophaga pumilio
Heike Pröhrl
Institute of Zoology
School of Veterinary Medicine
Bünteweg 17
30559 Hannover
Germany

12. Disease and population decline in Central American dendrobatoids
Karen R. Lips
Department of Zoology
Southern Illinois University
Carbondale, IL 62901-6501

Dr. Stefan Lötters
Trier University
Faculty of Geography/Geosciences
Biogeography Department
54286 Trier, Germany
loetters@uni-trier.de
6WCH SYMPOSIUM 11. Biology of Neotropical Poison Frogs and their Relatives (Dendrobatoidea)

Neotropical poison frogs and their relatives (Dendrobatoidea) have been the focus of extensive research in a broad diversity of fields for decades. In recent years, however, there has been a wave of new findings that point to new and challenging areas of research. This interdisciplinary symposium will bring leading experts from around the world together to present their findings to the broader herpetological community and share their experiences with the goal of exchanging theoretical and empirical information and forging future collaborations.

2. Organizers

Taran Grant, Ph.D. [NOTA: Complete CV in Lattes]
Current position: Professor Adjunto, Faculdade de Biociências, Pontifícia Universidade Católica do Rio Grande do Sul (PUCRS), Av. Ipiranga 6681, 90619-900, Porto Alegre, RS, Brasil, Tel.: +55-51-3320-3500, ext. 4411, email: taran.grant@pucrs.br
PhD: Columbia University, 2005

Stefan Lötters, PhD. [NOTA: Complete CV attached]
Current position: Researcher and Lecturer, Trier University, Faculty of Geography/Geosciences, Biogeography Department, 54286 Trier, Germany
Tel.: +49 (0)651 201 4174, email: loetters@uni-trier.de
PhD: Bonn University, 2000
Research postdoc and project coordinator, Mainz University, 2001-present
Research postdoc, Amsterdam University, 2005-2007

Participants:

1. Paleoclimate and species diversity: molecular insight into the evolutionary history of dart-poison frogs.
PRESENTATION CAN ONLY BE PRESENTED IF THE SPEAKER RECEIVES FINANCIAL ASSISTANCE.
Brice Noonan
Assistant Professor
The University of Mississippi
Department of Biology
USA

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Ron Gagliardo
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3. Conservation status of aromobatid frogs in the Venezuelan Andes
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Enrique La Marca
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Graduate Student and Professor of Biology
East Carolina University
Department of Biology
USA

5. On the use of phytotelmata for tadpole deposition in Andean species of Ranitomeya
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Adolfo Améquita
Professor
Departamento de Ciencias Biológicas
Universidad de los Andes
Bogotá, Colombia

6. Allobates femoralis (Dendrobatidae): A handy "white rat" for anuran field bioacoustics
Walter Hödl
Associate Professor
University of Vienna
Institute of Zoology
Austria

7. Amazonian poison frogs during the Last Glacial Maximum (LGM): potential distributions based on climate envelope models
Stefan Lötters
Researcher and Lecturer
Trier University
Faculty of Geography/Geosciences
Biogeography Department
54286 Trier, Germany

8. Chemical ecology of dendrobatids: A review of dietary arthropods and their contribution to chemical defense
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Faculdade de Biociências
Pontificia Universidade Católica do Rio Grande do Sul (PUCRS)
Av. Ipiranga 6681
90619-900
Porto Alegre, RS, Brasil

10. Reproductive biology of Dendrobatoids
PRESENTATION CAN ONLY BE PRESENTED IF THE SPEAKER RECEIVES FINANCIAL ASSISTANCE.
Karl-Heinz Jüngfer

11. Behavioral ecology of Oophaga pumilio
PRESENTATION CAN ONLY BE PRESENTED IF THE SPEAKER RECEIVES FINANCIAL ASSISTANCE.
Heike Pröhler
Juniorprofessor
Institute of Zoology
School of Veterinary Medicine
Bünteweg 17
30559 Hannover
Germany

12. Disease and population decline in Central American dendrobatoids
PRESENTATION CAN ONLY BE PRESENTED IF THE SPEAKER RECEIVES FINANCIAL ASSISTANCE.
Karen R. Lips
Department of Zoology
Southern Illinois University
Carbondale, IL 62901-6501

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Faculdade de Biociências
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Email: taran.grant@pucrs.br
Skype name: tarangrant
USA Skypein number: 312-212-3517
6WCH SYMPOSIUM 12: ECOPHYSIOLOGY OF REPTILES

ORGANIZERS: Denis Otávio Vieira de Andrade¹ and Glenn Tattersall²

¹ Departamento de Zoologia, Universidade Estadual Paulista, Rio Claro, SP, Brazil
e-mail: denis@rc.unesp.br
² Department of Biological Sciences, Brock University, St. Catharines, Canada
e-mail: gtatters@brocku.ca

LIST OF SPEAKERS

1. Speaker: Glenn Tattersall
   Affiliation: Department of Biological Sciences, Brock University, St. Catharines, Canada.
   Title: Dynamics of heat exchange in juvenile tegu lizards (Tupinambis merianae)

2. Speaker: Anthony Herrell
   Affiliation: Dept. Organismic and Evolutionary Biology, Harvard University.
   Title: Sexual selection, physiology and performance in lizards: do big boys always get the girls?

3. Speaker: Rafael Parelli Bovo
   Affiliation: Pós-Graduação em Biologia Animal, Depto. de Zoologia e Botânica, Instituto de Biociências, Letras e Ciências Exatas, UNESP - São José do Rio Preto, Brasil.
   Title: An integrated view on the metabolic and cardiorespiratory consequences of feeding in the South American rattlesnake, Crotalus durissus?
   THIS PRESENTATION CAN ONLY BE PRESENTED IF THE SPEAKER RECEIVES FINANCIAL ASSISTANCE.

4. Speaker: José Eduardo de Carvalho
   Affiliation: Departamento de Zoologia, Universidade Estadual Paulista, Rio Claro, SP, Brazil.
   Title: Metabolic physiology of tropical reptiles: from cells to environment. THIS PRESENTATION CAN ONLY BE PRESENTED IF THE SPEAKER RECEIVES FINANCIAL ASSISTANCE.

5. Speaker: Marshall McCue
   Affiliation: Biological Sciences, University of Arkansas, USA.
   Title: Fast and feast: the physiological consequences of the feeding biology in snakes.

6. Speaker: Denis Andrade
   Affiliation: Departamento de Zoologia, Universidade Estadual Paulista, Rio Claro, SP, Brazil
   Title: Tegus go dormant. Physiological consequences and proximal factors involved with the seasonal metabolic depression in a lizard.

7. Speaker: Carlos Navas
   Affiliation: Departamento de Fisiologia, Instituto de Biociências, Universidade de São Paulo, São Paulo, SP, Brazil
   Title: Physiological basis for differences in whole organism performance in tegu lizards.
Organizers: Alan H. Savitzky, Akira Mori, and Deborah A. Hutchinson

List of Proposed Speakers and Titles:

Presentations by twelve proposed speakers have been organized by general topics. All individuals indicated their tentative agreement to participate in the symposium, although most indicated that their participation would be dependent in part on the availability of funding.

**Introduction to Sequestration in Tetrapod Vertebrates**

1. Alan H. Savitzky (Old Dominion Univ., USA): Introduction to Sequestration in Tetrapod Vertebrates

2. Jerrold Meinwald (Cornell Univ., USA): Lessons from Arthropods that Sequester Chemical Defenses

3. Taran Grant (Pontificia Univ. Católica do Rio Grande do Sul; Brazil): Phylogeny of Alkaloid Sequestration in Dendrobatoid Frogs

4. Ralph A. Saporito (Old Dominion Univ., USA): Patterns of Variation in Sequestered Alkaloids in Dendrobatoid and Mantellid Frogs

5. Wade C. Sherbrooke (Southwestern Research Station; USA): Evidence for Sequestration of Alkaloids in *Phrynosoma*


7. John P. Dumbacher (California Academy of Sciences; USA): Sequestration of Alkaloids in Birds

8. Edmund D. Brodie III (Univ. of Virginia, USA): Patterns of Interactions Between Garter Snakes and Newts

9. Becky Williams (Univ. of California, Berkeley, USA): Persistence of Tetrodotoxin from Newts in Garter Snakes

10. Akira Mori (Kyoto Univ., Japan): Behavioral Aspects of Sequestration in *Rhabdophis*

11. Deborah A. Hutchinson (Old Dominion Univ., USA): Chemical Aspects of Sequestration of Bufadienolides in *Rhabdophis*

12. Frank C. Schroeder (Boyce Thompson Institute for Plant Research, USA): The Chemistry of Sequestration
The knowledge about the defensive mechanisms of amphibians and reptiles has improved a lot during the last decades. Simultaneously, several studies focusing on the predator-prey interactions have raised important questions (and eventually answers) in the fields of speciation, evolution, co-evolution, and phylogeny. Therefore, a symposium like the present may help us to organize the current knowledge, to have a broader understand of the subject, and may help herpetologists to find new directions for future studies.

ORGANIZER: Dr. Luís Felipe Toledo

Universidade Federal do Paraná (UFPR)
Pós Graduação em Ecologia e Conservação (PPGECO)
Setor de Ciências Biológicas, Centro Politécnico
Caixa Postal 19031, CEP 81531-980
Jardim das Américas, Curitiba, PR, Brasil
Cel: +55 11 9196-9970
E-mail: toledolf2@yahoo.com

Luís Felipe Toledo begun in science studying reptiles’ physiology and turned to anurans’ behavior during the graduate courses. He is a Zoologist with special interest in natural history, behavior, and conservation of anurans, subjects that he is working and publishing since the year 2000. He is now member of the graduate program of the Universidade Federal do Paraná (UFPR) conducting field studies in the Atlantic Rain Forest.

Talks

01) BEHAVIORAL DEFENSES OF ANURANS
THIS PRESENTATION CAN ONLY BE PRESENTED IF THE SPEAKER RECEIVES FINANCIAL ASSISTANCE

Luís Felipe Toledo¹, Ivan Sazima² & Célio F. B. Haddad³

¹Pós Graduação em Ecologia e Conservação, Setor de Ciências Biológicas, Centro Politécnico, Universidade Federal do Paraná, Curitiba, PR, Caixa Postal 19031, CEP 81531-980, Brasil. E-mail: toledolf2@yahoo.com.

²Departamento de Zoologia e Museu de História Natural, Caixa Postal 6109 Universidade Estadual de Campinas, 13083-970 Campinas, São Paulo, Brasil.

³Departamento de Zooligia, Instituto de Biociências, Unesp, Rio Claro, São Paulo, Caixa Postal 199, CEP 13506-970, Brasil.

02) ANTIPREDATOR MECHANISMS AND TOXINS OF SALAMANDERS

Edmund Brodie Jr.

Professor & Director of Graduate Studies
Department of Biology
03) A REVIEW OF DIET AND TOXICITY IN TROPICAL POISON FROGS

Maureen Donnelley¹, Ralph A. Saporito & John W. Daly

¹Florida International University, Departament of Biological Sciences, Office: OE 225, Phone: (305) 348-1235, Lab: ECS 153, Phone: (305) 348-6513, E-mail: donnelly@fiu.edu

04) DEFENSIVE STRATEGIES OF SNAKES

This presentation can only be presented if the speaker receives financial assistance

Marcio Martins

Universidade de São Paulo, Instituto de Biociências, Departamento de Ecologia Geral.
Rua do Matão, Travessa 14, s/n, Cidade Universitária, CEP 05508090, São Paulo, SP, Brasil.
Telefone (11)3091-7597; Fax (11)3091-8096; URL: www.ib.usp.br/labvert

5) Tracy Langkilde. – DEFENSIVE BEHAVIOR OF LIZARDS

Department of Biology
Pennsylvania State University, USA
Phone: (814) 867 2251
E-mail: tll30@psu.edu
Despite a small number of well-known and highly publicized conservation and recovery efforts for chelonians, most ongoing programs have not been running long enough to be termed “successful.” Further, some notable long-running programs have failed to demonstrate any sign of population recovery, largely because of critical errors due to lack of good science and conservation practice. Unfortunately for a number of critically endangered species, biologists are developing and implementing conservation methodologies simultaneously, a less-than-optimal but necessary situation. These methodologies may involve labor intensive, costly and high-tech conservation measures - often headstarting and release - a technique still considered controversial by many and subject to criticism as “halfway technology.” In fact few good examples exist where headstarting and release have actually resulted in population recovery. Though this symposium will highlight chelonian recovery programs that involve a range of techniques including nest protection, egg collection, headstarting and release, captive breeding, translocation, and protection of wild populations and habitats, there will be an emphasis on those with a captive component. Efforts to correct previous flaws in methodology that may have contributed to lack of success will be stressed.

ORGANIZER: Rick Hudson, Fortworth Zoo

Speakers:

1) Piku in trouble -- Conservation of the pig-nosed turtle, Carettochelys insculpta, in the Kikori Delta, Papua New Guinea.

Carla Eisemberg, Arthur Georges & Mark Rose

Carla C. Eisemberg
Institute for Applied Ecology
Building 3, University of Canberra
ACT 2601 AUSTRALIA

2) Two decades of Pseudemydura umbrina recovery through captive breeding and re-introduction: influence of captive environment and life style on behavior of released juveniles and suitability of captive-bred versus wild turtles for translocation.

Gerald Kuchling and Dean Burford

Gerald Kuchling, PhD
University of Western Australia
Perth, WA

3) Impact of climate change on persistence of two re-introduced Pseudemydura umbrina populations based on captive-bred headstarted juveniles

Gerald Kuchling, Andrew Burbidge and Lyndon Mutter

Gerald Kuchling, PhD
University of Western Australia
Perth, WA
4) Erymnochelys madagascariensis at Ankarafantsika: how to address temperature dependent sex determination and headstarting environment in a recovery program of a large tropical river turtle

Gerald Kuchling, Gerardo Garcia and Ernest Bekarany

Gerald Kuchling, PhD
University of Western Australia
Perth, WA

5) Is headstarting a viable component to our turtle conservation toolkit? Lessons learned from headstarting India's red crowned roof turtle, Batagur kachuga.

Brian D. Horne, PhD
Division of Conservation & Research
Zoological Society of San Diego
San Diego, CA

6) Manipulating nest temperatures in riverside hatcheries as a mean of assuring the production of both sexes during in situ conservation projects: Batagur kachuga, a case study.

Brian D. Horne, PhD
Division of Conservation & Research
Zoological Society of San Diego
San Diego, CA

7) Overview of Mangrove Terrapin, Batagur baska, conservation program in Malaysia

Eng-Heng CHAN
Professor
Institute of Oceanography
University Malaysia Terengganu

8) Restoring a Depleted Population of Madagascar sideneck turtles, Erymnochelys madagascariensis, in Ankarafantsika National Park

Juliette Velosoa
Wetlands Coordinator
Durrell Wildlife Conservation Trust- Madagascar Programme
Madagascar

9) A big turtle in a big river - Directions for the management of the giant snakeneck turtle, Chelodina expansa

Debbie Bower
Institute for Applied Ecology
Building 3, University of Canberra
ACT 2601 AUSTRALIA

Henry R. Mushinsky and Earl McCoy
Henry R. Mushinsky
Department of Biology
University of South Florida
Tampa, Florida 33620

11) The history of captive breeding and reintroduction programs for Galapagos tortoises.

Cruz Marquez
Charles Darwin Foundation

12) Conservation of Madagascar’s ploughshare tortoise, Geochelone yniphora: successes and setbacks.

Richard Lewis, Gerrardo Garcia and Lora Smith

13) The U.S. Fish and Wildlife Service recovery program for the endangered yellow-blotched map turtle, Graptemys flavimaculata, in the Pascagoula River system.

Will Selman

14) An overview of a successful reintroduction program for Podocnemis expansa

Richard C. Vogt
Further statements:

Presentations should be of 20 minute duration for each participant (this time should include time for questions and discussions). If the Symposium organizer has compelling reasons for other time allotments, the symposium organizer must make his/her case with the Organizing Committee for an alternate scheme of time allotments that would allow for time coordination with the other symposia being held simultaneously.

All talks should be prepared in Power Point for PC, we will have slide projectors and white boards with crayons available if anyone finds this impossible, we will also have students available on site to help you produce your first Power Point if necessary, and in exchange for taking them to dinner.

We have a new and exciting format in Herpetology today, the new electronic journal, Herpetological Conservation and Biology (HCB), where it is FREE to publish and receive. WCH is the academic sponsor of this publication. The leadership of HCB is offering to publish on line all of the abstracts for the 6thWCH, and publish them as expanded abstracts including 1 photo, 1 table, 1 graph (3 figures). This is an unprecedented opportunity!! I hope all of you will take advantage of this.

In addition WCH is willing to accept submissions for publication of all of the presentations from all of the symposia! I am not kidding. We will expand the editorial force to do this if necessary. The submissions will be sent out for review like any other paper, and when the submissions for each symposium are ready they will be published. No symposium will have to wait for the straggler, who never completes deadlines, he will merely not appear, and can publish his results 3 years later in a paper journal. This is the opportunity to get your cutting edge research published almost instantaneously with all of the color you want.

HCB is also inviting all plenary speakers to publish their presentations. HCB is an electronic journal with no terabit limits so all authors presenting contributed oral presentations will be invited to present their talks as papers as well, and these will be published next to instantaneously upon acceptance.