

2007 Joint Meeting (JMIH), St. Louis, MO
BREAK-OUT SESSIONS AT A GLANCE
THURSDAY, 12 JULY, Afternoon Sessions

ROOM	Regency C	Regency B	Regency A
SESSION/ SYMPOSIUM	Herp Conservation I	Fish Genetics	Amphibian Ecology
MODERATOR	S Whitfield	A Echelle	M Mills
1:30 PM	R Russell	A Kinziger	S Welch
	Road Salt Effects On Nova Scotia Amphibians	Evidence for a Stable Hybrid Zone Between Spring-Run and Fall-Run Chinook Salmon Returning to the Trinity River, California	The use of Crayfish Burrows by Herpetofauna
1:45 PM	D Nelson	MR Douglas	J Church
	Road-kill Survey Of Alabama Red-bellied Turtles On The Mobile Bay Causeway	The Problem of Population Differentiation Among Big-River Fish Species	Ecological niche modeling, interspecific competition, and range restriction in Plethodon salamander communities of the southeastern United States
2:00 PM	S Whitfield	MW Hopken	O Lockhart
	Amphibian and reptile declines at La Selva, Costa Rica: Patterns and processes in a collapsing tropical herpetofauna	Range-wide Population Structure and Genetic Diversity of Bluehead Sucker [Catostomus (Pantosteus) discobolus]	Plethodontid Salamanders in Forest-Floor Food Webs: Do Salamander Feces Subsidize Bottom-Up Pathways?
2:15 PM	P Taylor	A Echelle	BM Walton
	A Community-Based Ecological Study of the Black Caiman (Melanosuchus niger), at Yupukari Village, Guyana: A Second Year Report.	Genetic Structure Of Wild And Captive Stocks Of The Desert Pupfish Complex	Do Plethodontid Salamanders Regulate Terrestrial Detrital Food Webs?: Complex Outcomes from Long-Term Experiments
2:30 PM	R Lovich	C Stepien	K Regeester - EE
	HERPETOFAUNAL SURVEY OF CERRO GUANACAURE, MONTAÑA LA BOTIJA AND ISLA DEL TIGRE PROTECTED AREAS IN SOUTHERN HONDURAS	Landscape Conservation Genetic Patterns of Walleye Populations Across North America	Ecosystem Significance of Ambystomatid Salamanders: Energy Flow, Habitat Subsidies, and Trophic Interactions Associated with their Complex Life Cycles
2:45 PM	AM Picco - C	R Harrington - GMD	M Mills
	Strain Variation Of Ranaviruses In The Tiger Salamander Bait Trade	Comparative Genetic Analysis Of The Connectivity Among Populations In The Etheostoma simoterum Species Complex	Reproductive Ecology of a Suburban Population of Small Mouthed Salamanders (Ambystoma texanum): A Six-Year Study
3:00 PM	BREAK - Ballrooms E & F		
SESSION/ SYMPOSIUM	Herp Conservation I	Fish Genetics	Amphibian Ecology
MODERATOR	JL Christiansen	E Saillant	B Walton
3:30 PM	W Turner	J Ohayon	MK Hamed
	Development of a Herpetology Program in Wyoming	Genetic and Biogeographic Relationships of the Racer Goby from Invasive and Native Eurasian Populations	The Effects on Growth and Survival of Spotted Salamanders (Ambystoma maculatum) After a Decline in Reproductive Success of Marbled Salamanders (A. opacum)
3:45 PM	BB Rothermel	A Aguilar	J Deitloff - EE
	Migratory Patterns and Relative Abundance of Juvenile Toads and Salamanders in Experimentally Harvested Pine Forests	Population structure, hybridization and speciation in two California minnows	Competition in a Salamander Community: Can Sympatric P. electromorphus Hold Their Own?
4:00 PM	C Conner	CB Dillman	K Cacula - EE
	Effects of Timber Harvesting on Amphibians: Testing the Dispersal Hypothesis	Patterns Of Microsatellite Inheritance In Shovelnose Sturgeon, Pallid Sturgeon And Their Hybrids	Examining Intraguild Interactions Among Stream Salamanders: The Threat of Predation Affects Prey Behavior and Distribution
4:15 PM	E Burton	E Saillant	D Adams
	Cattle Impacts On Postmetamorphic Amphibians Of The Cumberland Plateau	Heritability of cold tolerance in juvenile red drum	Organization of Plethodon Salamander Communities: Interspecific Competition and Guild-Based Community Assembly
4:30 PM	JL Christiansen	E Roy	K Grayson - EE
	Recent Declines In The Illinois Mud Turtle, Kinosternon flavescens spooneri.	Population Structure of the Black Sea Bass, Centropristis striata, Along the Western Atlantic Coast and Gulf of Mexico	Population Size and Intrapond Movement of Aquatic Red Spotted Newts (Notophthalmus viridescens)
4:45 PM	B Lardner	MS Taylor	A Sacerdote
	Spotting Cryptic Animals In The Dark: What Light Properties Should A Good Headlamp Have?	Independent Evolution of Shoaling Behavior in Elacatinus (Teleostei: Gobiidae)	Dissolved Oxygen Requirements for Hatching Success of Spotted Salamanders (Ambystoma maculatum) in Restored Flatwoods Vernal Pools in Illinois: Data from the Field and Laboratory.
5:00 PM	K Shoemaker	A Schrey	R Relyea
	Basking-Site Enhancement as a Viable Conservation Strategy for a Threatened Population of Massasauga Rattlesnakes	Pallid Sturgeon Stock Structure And Hybridization With Shovelnose Sturgeon	Amphibians Are Not Roundup-Ready: The Mounting Evidence
	C = Stoye Conservation	GDM = Stoye Genetics Development & Morphology	EE = Stoye Ecology & Ethology

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SSAR Seibert Evolution & Systematics	AES Behavior	SSAR Seibert Conservation	SESSION/ SYMPOSIUM
K Nicholson	S Kajiura	H Mushinsky	MODERATOR
DL Mahler	P Lobel		1:30 PM
Does Ecology Influence Rates of Phenotypic Evolution in Island Anoles?	Movement Patterns of Grey Reef Sharks at Johnston Atoll and Palau, Pacific Ocean.		
C Siler	J Imhoff - G	C Rittenhouse	1:45 PM
Testing Geographic Predictions Using Genetic And Morphological Diversity: An Example In Philippine Bent-toed Geckos	Evaluation Of Ultrasonic Accelerometry As A Technique For Studying Foraging Behavior In Juvenile Lemon Sharks (<i>Negaprion brevirostris</i>)	Resource Selection by Translocated Three-toed Box Turtles in Missouri	
K Hased	T Lisney	A Heeb	2:00 PM
Redefined Species Boundaries In A Complex of Scincid Lizards from the Philippines (Squamata: Lygosominae: Sphenomorphus)	Retinal Topography in Elasmobranchs: Implications for Behavioural Ecology and Spatial Resolving Power	Turtle Racing, An American Turtle Crisis	
JW Streicher	N Willett	C Jenkins	2:15 PM
Multi-locus Molecular Phylogenetic Analysis of the <i>Craugastor podiciferus</i> (Anura: Brachycephalidae) Species Complex in Isthmian Central America	Monitoring Site Fidelity and Habitat Utilization of Juvenile Sandbar Shark (<i>Carcharhinus plumbeus</i>) Within Essential Nursery Habitat of Delaware Bay	Conservation Biology of Great Basin Rattlesnakes in Sagebrush Steppe Ecosystems: Landscape Disturbance, Prey Availability, and Rattlesnake Reproduction	
T Gamble	J Brunnschweiler	B Todd	2:30 PM
Evidence for Gondwanan vicariance in an ancient clade of gecko lizards	Preliminary Whale Shark Sighting Data From Tofo Beach, Mozambique, And Depth And Temperature Data From A Whale Shark Crossing The Mozambique Channel	Effects of Timber Management on Forest Habitat and Small-bodied Snakes of the Southeastern Coastal Plain	
B Lowe	T Guttridge	JJ Enneson	2:45 PM
Phylogeography of <i>Urosaurus graciosus</i> (Iguania: Phrynosomatidae)	Size-assortment in groups of wild juvenile lemon sharks, <i>Negaprion brevirostris</i> , based on evidence from gill net captures.	A Stage-classified Matrix Model for an Ontario Population of Spotted Turtles (<i>Clemmys guttata</i>) and Implications for Conservation	
BREAK - Ballrooms E & F			3:00 PM
SSAR Seibert Evolution & Systematics	AES Behavior	SSAR Seibert Conservation	SESSION/ SYMPOSIUM
G Perry	P Lobel	D Green	MODERATOR
M Gifford	AJ Ubeda	T Tuberville	3:30 PM
A Multi-locus Assessment of the Phylogeography of <i>Ameiva chrysolaela</i> From Hispaniola	Movements of Bonnetheads, <i>Sphyrna tiburo</i> , in Response to Salinity Changes in a Large Florida Estuary	Modeling Extinction Risk of At-Risk Gopher Tortoise Populations: Developing a Management Decision Tree	
A Hamilton Jennings	J Ciaccio	CB Edge	3:45 PM
Dispersal, Speciation, and Introductions: Species Boundaries, Biogeography and Phylogenetic Relationships Within the <i>Emoia samoensis</i> Species Group	The effects of an absence of live prey on the predatory abilities of whitespotted bamboosharks, <i>Chiloscyllium plagiosum</i> .	A Multi-Scale Approach to Defining Critical Habitat for Blanding's Turtles (<i>Emydoidea blandingii</i>)	
M Westphal	S Kajiura	K Greenwald	4:00 PM
What Can Garter Snakes Tell Us About Coral Snake Mimicry?	Response of juvenile scalloped hammerhead sharks to electric stimuli	Gene Flow and Population Connectivity of Marbled Salamanders in a Fragmented Landscape	
D Leavitt	SP Oliver	W Greaves	4:15 PM
An Additional Perspective to the Biotic Diversification of the Desert Southwest: Phylogeographic Patterns in <i>Coleonyx variegatus</i>	Oceanic sharks risk visiting coastal waters	Demography of a Northern Population of Wood Turtles (<i>Glyptemys insculpta</i>)	
H Alamillo	C O'Connell	L Gross	4:30 PM
Rates Of Diversification Throughout The Major Groups Of Snakes	Evaluation of Barium-ferrite permanent magnets on the behavior of four species of elasmobranchs	Compositional Changes in a Pond-Breeding Amphibian Community After Fish Removal: The Saga Continues	
CJ Hayden	E Stroud	Z Felix	4:45 PM
Phylogenetics of the Sphenomorphus 'maindroni' group	Observations of Repellent Behavior Using Highly Electropositive Metals.	Movement Patterns and Habitat Use of Eastern Box Turtles in Forest Stands Managed for Timber Production	
	BE Wueringer	R Sutherland	5:00 PM
	Sensory biology and prey manipulation behaviour in sawfishes	Presence-only habitat models for rare North Carolina snake species confirmed with unbiased road-cruising data	
	G = Gruber		

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BREAK-OUT SESSIONS AT A GLANCE
FRIDAY, 13 JULY, Morning Sessions

ROOM	Regency C	Regency B	Regency A
SESSION/ SYMPOSIUM	SSAR 50th Year Symposium	Cypriniforms Tree of Life I	Fish Morphology & Histology
MODERATOR	J Losos	H Bart	P Wainwright
8:00 AM		RL Mayden	
		Cypriniforms Tree of Life: Phylogenetic Relationships Within The Order Cypriniformes (Actinopterygii: Teleostei) As Evidenced From Sequence Variation In Four Nuclear Genes	
8:15 AM		H Bart	R Carlson - GDM
		Cypriniforms Tree of Life: Variation in paralogs of the nuclear growth hormone gene in suckers (Actinopterygii: Catostomidae), evidence for duplicate expression and implications for divergence of the group	Variation In Rate of Morphological Change Among Clades of Darters (Percidae: Etheostominae)
8:30 AM	Introduction (8:30-8:40)	MV Hirt - GDM	ML Habegger
		Cypriniforms Tree of Life: Evaluating Evolution of Trophic Morphology in Catostomid Fishes	Bite Force in the Great Barracuda (<i>Sphyræna barracuda</i>) during ontogeny
8:45 AM	D Wake (8:40-9:00)	P Harris	K Reiss
	Through The Glass, Darkly; Herpetologists Looking Toward The Genomics Era.	Cypriniforms Tree of Life: Phylogenetic relationships of the Catostomidae, with emphasis on the Catostominae, based on mitochondrial and nuclear gene sequences	A Linear And Geometric Morphometric Analysis Of Ontogenetic, Sex, And Geographic Shape Changes In The Caudal Fin Of The Spiny Dogfish Shark, <i>Squalus acanthias</i>
9:00 AM	D Hillis	KW Conway - GDM	C Kenaley - GI
		Cypriniforms Tree of Life: Monophyly and Intrarelationships of the Genus <i>Psilorhynchus</i> (Ostariophysi: Psilorhynchidae).	The Red Resolution: Resolving Photophore Homology in the Loosejaw Dragonfishes (Stomiiformes: Stomiidae: Malacosteinae)
9:15 AM	Biodiversity Discovery in the Age of Genomics	A Boron	P Wainwright
		"Cypriniforms Tree of Life": Comparative Cytogenetics Of The Cyprinid Species From The Leuciscine Lineage Distributed In Europe (Pisces, Cyprinidae)	Innovation and diversity in parrotfishes
9:30 AM	BREAK - Ballrooms E & F		
SESSION/ SYMPOSIUM	SSAR 50th Year Symposium	Fish Systematics I	Fish Reproduction, Development & Physiology
MODERATOR	J Losos	R Strange	E Schultz
10:00 AM	J Wiens	D.L. Halas - GI	HJ Grier
		Complex Patterns in the Diversification of Central Highlands Fishes	Oocyte Staging in the Red Drum, <i>Sciaenops ocellatus</i> .
10:15 AM	Empowering herpetological phylogenetics with genomic resources	R Stephens	B Erisman - GI
		The Phylogeny of Subgenera of Freshwater Darters	Evolution Of Reproductive Patterns In Seabasses, Groupers, And Related Fishes
10:30 AM	J Hanken	R Strange	R Javonillo - GI
		Adaptation of Rod and Cone Opsins Predates Retinal Specializations in Nocturnal Percid Fishes: How Walleye Came to See in the Dark	Convergent Evolution of Reproductive Cues Using Diverse Ossified Structures in the Monophyletic Tribe Corynopomini (Teleostei: Ostariophysi: Characidae)
10:45 AM	Marrying the Old and the New: Genetic Approaches for Studying Evolution and Development of the Amphibian Skull	A De Los Santos Camarillo	E Schultz
		How Many Species of Native Mexican Trout are There? An Assessment by Microsatellite-based Multilocus Phylogeny	Poeciliine Gonopodium Length and Size Dependence of Mating Strategies: A Comparative Analysis
11:00 AM	H Nagashima	A Dornburg	R Riesch
		Model-Averaged Phylogenetic Inference Of The Triggerfishes (Family: Balistidae)	Fecundity In The Atlantic Molly (<i>Poecilia mexicana</i> , Poeciliidae): Reduced Plasticity In An Extreme Environment
11:15 AM	Turtle Evolution From The Aspect Of Developmental Biology	J Zhang	J Webb
		A revision of <i>Lycoptera muroii</i> (Teleostei: Osteoglossomorpha)	Dermal Bone Remodeling and the Expansion of Cranial Lateral Line Canals in Zebrafish: The Role of Osteoclasts
11:30 AM	R Voss	R Winterbottom	CM Woodley - EE
		Trimma BOL – The Good, The Bad, And The Downright Ugly	The Influence Of Temperature And Altitude On The Physiological And Behavioral Responses Of Sacramento Perch
11:45 AM	Genomic Analysis Of Alternate Phenotypes	A Roa-Varon	B Stanford
		Gadiformes Phylogeny, A New Perspective From Nuclear and Mitochondrial Genes	Physiological Response Of Spotted Seatrout (<i>Cynoscion nebulosus</i>) Following Hook And Line Capture
12:00 PM	LUNCH	LUNCH	LUNCH
	EE = Stoye Ecology & Ethology	GDM = Stoye Genetics Development & Morphology	GI = Stoye General Ichthyology

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Herp Systematics	AES Ecology I	SSAR Seibert Ecology	SESSION/ SYMPOSIUM
R Lehtinen	D Ebert	M Donnelly	MODERATOR
M Yoke		MJ Olds	8:00 AM
Phylogenetic Relationships and Species Limits of the Salamander <i>Desmognathus ocoee</i>		Habitat Use and Selection of Hibernation Sites in Northern Watersnakes (<i>Nerodia sipedon</i>) in East-Central Illinois.	
N Niemiller - GH		D Pike	8:15 AM
Systematics and Historical Demography of Tennessee Cave Salamanders Show Recent Divergence-with-Geneflow from Epigeal Spring Salamanders (Plethodontidae: <i>Gyrinophilus</i>)		Estimating Survival Rates of Uncatchable Animals: The Myth of High Juvenile Mortality Rates in Reptiles	
R Lehtinen	CT McCandless	CT Winne	8:30 AM
Species Delimitation in Allopatric Taxa: A Case Study from Caribbean Frogs	Movements and migrations of juvenile sandbar sharks, <i>Carcharhinus plumbeus</i> , tagged in Delaware Bay	Are Black Swamp Snakes (<i>Seminatrix pygaea</i>) Income or Capital Breeders? Experimental Evidence Using Stable Isotopes to Unravel the Timing of Reproductive Allocation	
D McLeod - GH	WD McElroy - G	S Wisniewski	8:45 AM
They Call Me Kuhlii: Uncovering diversity in an Asian frog	Diet Overlap and Feeding Patterns of the Two Dominant Shark Species in Delaware Bay	The Structure And Function Of Copulatory Plug In The African Brown House Snake (<i>Lamprophis fuliginosus</i>)	
D Blackburn - GH	E de Sabata	J Willson	9:00 AM
Towards an Understanding of the Diversity of African Long-Fingered Frogs (Genus <i>Cardioglossa</i>): Concordance Between Morphometric and Molecular Phylogenetic Data	A Six-Year Photo-Identification Study of a Population of Sandbar Sharks (<i>Carcharhinus plumbeus</i>) in the Mediterranean Sea Provide Evidence of Their Strong Philopatry on an Annual Cycle and over Multiple Years.	Effects of Terrestrial Resource Pulses on Trophic Niche Width and Overlap in Two Sympatric Aquatic Snake Species: a Stable Isotope Approach	
F Fontanella - GH	B Franks - G	MA Johnson	9:15 AM
Phylogeography and population demography of the continental ringneck snake <i>Diadophis punctatus</i>	A Mother's Right to Choose: Ecological Partitioning of Nursery Areas at Bimini, Bahamas and its Implications for Conservation Strategies	Territorial Behavior in Caribbean Anolis Lizards: A Comparative Approach	
BREAK - Ballrooms E & F			9:30 AM
Turtle Ecology	AES Ecology I	SSAR Seibert Ecology	SESSION / SYMPOSIUM
RC Vogt	CT McCandless	B Rothermel	MODERATOR
JT Giermakowski	D McGowan - G	S Hoss	10:00 AM
Covariation of Size and Vegetative Productivity in Galapagos Tortoises	Electroreception in Euryhaline Elasmobranchs	Home Range and Multi-scale Habitat Associations of the Eastern Diamond-backed Rattlesnake (<i>Crotalus adamanteus</i>) in Southwestern Georgia	
W Banning	D Ebert	C Mott	10:15 AM
Resource Partitioning Along a Spatial Gradient Within a Turtle Assemblage in Northeastern Illinois	Distribution and Habitat Associations of Skates (<i>Rajiformes: Arhynchobatidae</i>) along the Eastern Bering Sea Continental Slope	The Role of Larval Ontogeny in Aggressive Interactions Among Three Species of Larval Ambystomatid Salamanders	
F Janzen	DE Figueroa	N Gordon	10:30 AM
The Rings of Death: Direct or Indirect Selection on Body Size of Neonatal Turtles?	Temperature and Salinity in SW Atlantic Waters Inhabited by Skates	Influence of Advertisement Calls on Oviposition Behavior of the Gray Treefrog, <i>Hyla versicolor</i> .	
RC Vogt	M Aversa	A Subalusky	10:45 AM
Pit Tagging Hatching Turtles Works! Recaptures After 11 Years In The Brazilian Amazon Produced A 0.015% Survivorship Rate In <i>Podocnemis unifilis</i> .	Age determination and growth in the beaked skate, <i>Dipturus chilensis</i> , in northern Patagonia	Ontogenetic Shifts in Habitat Use in the American Alligator: Another Case for the Importance of Seasonal Wetlands	
T Escalona	N Hussey - G	Dan Reeves	11:00 AM
Social Facilitation Explains Nesting Behavior in the South American Freshwater Turtle <i>Podocnemis unifilis</i>	Use of a Long Term Tag-recapture Data Set on the Dusky Shark (<i>Carcharhinus obscurus</i>) in South East Africa to Determine Spatial and Temporal Movements and Growth Rates.	Using Morphometrics to Investigate Body Size Variation in Spotted turtles	
S Snyder	A McElwain	M Takahashi	11:15 AM
Home Range Size of the Eastern Box Turtle at Brookhaven National Laboratory: Implications for Iridovirus Transmittance	In The Nose Of Jaws: Patterns Of Infection Of The Copepod, <i>Kroeyerina elongata</i> On Blue Sharks.	A test of reproductive isolation between the subspecies of <i>Notophthalmus viridescens</i>	
J Gibson		G Sorrell	11:30 AM
Movements and Spatial Ecology of the Eastern Box Turtle, <i>Terrapene c. carolina</i> , in south central Michigan		Vertical Distribution And Microhabitat Use Of <i>Bothriechis schlegelii</i>	
L Harden - EE		W Sutton	11:45 AM
Terrestrial Activity and Habitat Selection of Eastern Mud Turtles (<i>Kinostemon subrubrum</i>) Inhabiting Golf Course Ponds		Habitat Use and Spatial Ecology of <i>Agkistrodon contortrix</i> in Disturbed Pine-Hardwood Forests: Pre-Treatment Results	
LUNCH	LUNCH	LUNCH	12:00 PM
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SESSION/ SYMPOSIUM	SSAR 50th Year Symposium	Cypriniforms Tree of Life II	NIA Systematics
MODERATOR	J Losos	P Mabee	B Chernoff
1:30 PM	J Wade	A Bufalino - GI	S Schaefer
	Sculpting Reproductive Circuits: Relationships Among Hormones, Morphology and Behaviour in the Green Anole Lizard	Cypriniforms Tree of Life: Phylogenetics of North American Phoxinini genera (Actinopterygii: Cyprinidae): an evaluation of both mitochondrial and nuclear sequences.	Systematics of the Astrobalepidae (Siluriformes): Overview and Status of a Taxonomic Revision of the Family
1:45 PM		P Mabee	G Provenzano
		Cypriniforms Tree of Life: Collaborations in Systematics Using a Web-Based Matrix Tool: Results from a Survey of Gill Arch Features in Cypriniformes (Actinopterygii: Ostariophysi)	Systematics of the Astrobalepidae (Siluriformes): Diversity and Distributions in the Northern Region of Panama, Colombia, and Venezuela
2:00 PM	N Valenzuela	M Cashner - GI	R Barriga
	Sex Determination In The Genomic Era	Phylogenetic Relationships Among Members of the Notropis Subgenus Hydrophlox	Systematics of the Astrobalepidae (Siluriformes): Diversity and Distributions in the Southern Region of Ecuador, Peru, and Bolivia
2:15 PM		J Allen - GI	F Huysenruyt - NIA
		Cypriniforms Tree Of Life: Phylogeography Of The Minnow Genus Pteronotropis (Teleostei: Cyprinidae)	Ontogeny of the cranium in Corydoras aeneus
2:30 PM	J Collins	M Coburn	B Sidlauskas
	Using genomics to transform research in herpetology	Cypriniforms Tree of Life: Distal Radials in Cypriniformes: Phylogenetic Signal at the Tail End	Parallel Morphological and Ecological Diversification in African and South American Characiformes
2:45 PM		AM Simons	C Moreira - NIA
		Cypriniforms Tree of Life: Phylogenetic Relationships Based on Mitochondrial Ribosomal RNA	Phylogenetic relationships of Characiformes (Teleostei, Ostariophysi)
3:00 PM	EB Rosenblum	M Doosey - GI	D Stewart
	Applying Genomics to Ecologically Important Questions in Herpetology: Whole Genome Perspectives on Amphibian Declines	Cypriniforms Tree of Life: Anatomy and Evolution of the Pharyngeal Feeding Apparatus of Catostomidae	Surprising Diversity in Arapaima, Endangered Giant Fishes from South America
3:15 PM		RM Wood	A Pease - NIA
		Cypriniforms Tree of Life: Molecular systematics of the Order Cypriniformes based on a large DNA sequence data set composed of nuclear and mitochondrial genes.	Niche Overlap and Ecomorphological Disparity in Mesoamerican Cichlid Communities
3:30 PM	K Zamudio	L Yang	
	Choosy Females, Competitive Males, and the Genetic Quality of Offspring: Mating System Biology in the Era of Genomics	Cypriniforms Tree of Life: Phylogenetic Relationships of Labeonini (Teleostei: Cyprinidae) Inferred From Four Nuclear Gene Sequences	
3:45 PM		M Haskins - GDM	
		Cypriniforms Tree of Life (CToL): The Utility of Cytochrome c Oxidase Subunit I (COI) and Cytochrome b for Species Identification and Phylogeny Reconstruction for Eastern North American Cyprinidae. (Actinopterygii; Teleostei)	
4:00 PM	S Edwards	POSTER SESSION I Grand Ballrooms E and F	
	Structure and diversification of reptile genomes: a window on amniote genome evolution		
4:30 PM			
5:00 PM			
5:30 PM			
6:00 PM			
	GDM = Stoye Genetics Development & Morphology	GI = Stoye General Ichthyology	NIA = Best Student Paper

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Herp Biogeography I	AES Genetics & Systematics	SSAR Seibert Ecology, Morphology & Physiology	SESSION/ SYMPOSIUM
BC Bock	L Jones	R Saporito	MODERATOR
J Melville	J DiBattista	G Carfagno	1:30 PM
Phylogeography and Diversification Patterns in the Agamid Lizards of the Central Asian Deserts	Are Indirect Genetic Benefits Associated With Polyandry? A Test In A Natural Population Of Lemon Sharks	Effects Of Energy Requirements On Home Range Size: A Test With Two Snake Species	
S Krishnan	M Shivji	L Davis	1:45 PM
BIOGEOGRAPHY AND PHYLOGENETIC SYSTEMATICS OF THE AGAMID LIZARD CORYPHOPHYLAX BLYTH, 1861 (REPTILIA: SQUAMATA)	Tracking The Fin Trade: Genetic Stock Identification Of Endangered Western Atlantic Scalloped Hammerhead Sharks.	Geographic variation in skin peptide composition of <i>Agalychnis callidryas</i> in Panama and Costa Rica	
B Noonan	K Feldheim	GE Padgett-Flohr	2:00 PM
Systematics and biogeography of Malagasy plated lizards (Zonosaurinae).	Coastal Habitat Preference Isolates Transatlantic Populations of the Lemon Shark (<i>Negaprion brevirostris</i>)	Evaluation of Tadpole Mouthparts as a Diagnostic for Infection by <i>Batrachochytrium Dendrobatidis</i> for Four California Anurans.	
A Mijares-Urrutia	C Chabot	E Myers	2:15 PM
Intraspecific Phylogeography Of The Acid-Frog <i>Litoria freycineti</i> (Hylidae: Pelodyadinae) From SE Australia	Global Population Structure Of The Tope (<i>Galeorhinus galeus</i>), As Inferred By Mitochondrial Control Region Sequence Data	Experimental Analysis of Body Size and Shape During Critical Life-history Events of Hatching Slider Turtles, <i>Trachemys scripta elegans</i>	
R Brown	C Testerman	S Graham	2:30 PM
Cryptic Philippine frog species and their impact on estimation of the country's total amphibian biodiversity.	Global Phylogeography of the Porbeagle Shark (<i>Lamna nasus</i>) Reveals Strong Genetic Separation of Northern and Southern Hemisphere Populations	Plasma corticosterone variation in free-ranging male cottonmouths (<i>Agkistrodon piscivorus</i>): diel, seasonal, and captive handling effects, and interactions with plasma testosterone.	
B Barker	L Jones	KL Sykes	2:45 PM
Landscape genetics of two frogs (<i>Eleutherodactylus antillensis</i> and <i>E. portoricensis</i>) from Puerto Rico: Preliminary results	Use of mitochondrial DNA sequence data to identify morphologically similar species of triakid sharks in the northern Gulf of Mexico.	Effects of Confinement and Temperature on Plasma Levels of Corticosterone in the Northern watersnake, <i>Nerodia sipedon</i> , (Colubridae, Natricinae).	
BC Bock	V Richards	J Van Dyke	3:00 PM
Morphological Variation In A High Elevation Anole From Colombia	Multilocus Molecular Evidence Supports the Recognition of at Least Two Species of Spotted Eagle Ray (<i>Aetobatus narinari</i>)	Effects Of Yolkectomy On Metabolism And Growth Of Neonate Smooth Softshell Turtles (<i>Apalone mutica</i>) From Central Arkansas	
E Lehr	DL Haas - G		3:15 PM
Phylogeny Of Andean Eleutherodactyline Frogs (<i>Eleutherodactylus</i> And <i>Phrynosus</i>), And How Convergent Loss Of Characters Can Mislead Taxonomy	<i>Torpedo formosa</i> sp. nov., a New Species of Electric Ray (Chondrichthyes: Torpediniformes: Torpedinidae) from Taiwan		
C Prado	J Walsh		3:30 PM
High Genetic Structure Among Populations of a Widespread Neotropical Frog of the Brazilian Cerrado	A Review Of The Systematics Of Western North Pacific Angel Sharks, Genus <i>Squatina</i> , With Redescriptions Of <i>Squatina formosa</i> , <i>S. japonica</i> , And <i>S. nebulosa</i> (Chondrichthyes: Squatiniformes, Squatinidae).		
J Sukumaran	J Schaaf-Da Silva		3:45 PM
Comparative Phylogeography of Frogs of the Genus <i>Microhyla</i> (Anura: Microhylidae)	A Taxonomic Revision of the Western North Pacific Swell Sharks, Genus <i>Cephaloscyllium</i> Gill 1862 (Chondrichthyes: Carcharhiniformes: Scyllorhinidae), with Descriptions of two New Species		
HL BUSINESS MEETING	POSTER SESSION I Grand Ballrooms E and F		4:00 PM
			4:30 PM
			5:00 PM
			5:30 PM
			6:00 PM
	G = Gruber		

2007 Joint Meeting (JMIH), St. Louis, MO
BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 14 JULY, Morning Sessions

ROOM	Regency C	Regency B	Regency A
SESSION/ SYMPOSIUM	ASIH Teleost Symposium	Fish Conservation I	Fish Biogeography & Phylogeography
MODERATOR	J Nelson	D Stouder	DA Neely
8:00 AM	J Nelson	Y Chen	
		Allelic Variation of MHC Class II B in the White Sands Pupfish	
8:15 AM	Teleostean Phylogeny And Classification With Emphasis On The Contributions Of Dr Gloria Arratia	J Gabel	K Anderson
		Validation of ESUs Using Nuclear Microsatellite Markers in <i>Etheostoma scotti</i> , the Cherokee darter	Comparing GARP and Maxent generated species distribution predictions with known ranges of North American freshwater fishes
8:30 AM	L Grande	B Bessert	M Zokan - GI
	Morphology based phylogenetic study of gars, basal neopterygian interrelationships, and the resurrection of Holosteii.	Impact of habitat fragmentation in the Upper Missouri River on the genetic structure of blue sucker populations (<i>Cyplectus elongatus</i> Lesueur, 1918)	Distribution And Diversity Of Moray Eels (Muraenidae) Off The Southeastern Atlantic Coast Of The United States.
8:45 AM		BL Fluker	B Mundy
		Status, Distribution, and Population Genetic Structure of the Endangered Watercress Darter, <i>Etheostoma nuchale</i>	A reef-fish species inventory of the U. S. Line and Phoenix Islands
9:00 AM	G Orti	B Stallsmith	J Pennington - GI
	Chondrostei, Holosteii, Teleostei? Tests of Hypotheses Based on New Nuclear DNA Sequence Data	The Status Of The Flame Chub, <i>Hemitemria flammea</i> (Cyprinidae), In Alabama, USA	Phylogeographic patterns and population structure in Antarctic endemic dragonfishes (Bathyracnidae) and icefishes (Channichthyidae)
9:15 AM	R Broughton	D Beckman	K Heckman
	Phylogenetic Analysis of Basal Teleost Lineages Using 250 Mitochondrial Genomes	Changes in abundance of fish populations from selected Missouri Ozarks streams: 1974-2006.	Postglacial recolonization in the tessellated darter: dispersal routes, refugia, and population structure
9:30 AM	BREAK - Ballrooms E & F		
SESSION/ SYMPOSIUM	ASIH Teleost Symposium	Fish Conservation I	Fish Biogeography & Phylogeography
MODERATOR	J Nelson	S Bortone	N Lang
10:00 AM	R Nursall	S Walsh	M Sandel - GI
	The Case For Pycnodont Fishes As The Fossil Sister-Group Of Teleosts	Status of Imperiled Freshwater Fishes of North America: Report of the American Fisheries Society's Endangered Species Committee	Comparative Phylogeography of Elasmobranchs: A Higher-Resolution Test of the Interglacial Refugia Hypothesis
10:15 AM	P Brito	T Craill	P Unmack
	Are aspidorhynchids truly teleosts?	Testing The Impact Of Vegetative Colonization On The Fish Community In The Headwaters Of The Ottawa River, Northwest Ohio.	Phylogeography of trichomycterid catfishes of Chilean Patagonia
10:30 AM	E Hilton	M O'Connell	K Oswald
	The Caudal Skeleton of Osteoglossomorph Fishes Revisited: Comparisons, Homologies, and Characters	Response of Fishes to Multiple Stressors: Floodwall Failures, Invasive Species, and Mismanagement – Part One: Fish Condition.	Phylogeography and Conservation Genetics of Redeye Bass (<i>Micropterus coosae</i>) inferred from DNA Sequence Data
10:45 AM	M dePinna	S Welsh	C Ray
	An Anatomical and Phylogenetic Survey of Denticeps clupeoides, a Relict Clupeomorph from West Africa (Teleostei, Clupeiformes, Denticipitoidei)	Estimation of fish abundance in small streams and the influence of sampling methods	Phylogeography Of Two Minnow Species (Actinopterygii: Cyprinidae) <i>Luxilus zonistius</i> , Bandfin Shiner, And <i>Notropis lutipinnis</i> , Yellowfin Shiner, In North Georgia
11:00 AM	T Grande	A Branson	N Lang
	Systematic Review And Fossil Record Of Gonorynchiform Fishes	Fish Assemblage Structure Of Estuarine Versus Ocean Surf-zone Habitat in Southeastern North Carolina	Highland Disjunction and the Importance of the Blue River in Central Highlands Vicariance
11:15 AM	R Cloutier	S Karlsson	A George
	Cypriniform Caudal Fin and Weberian Apparatus: Ontogeny and Phylogeny	Monitoring Survival of Hatchery Released Red Drum (<i>Sciaenops ocellatus</i>) in Texas Bays and Estuaries.	Biogeography and Post-Glacial Dispersal of Northern Logperch, <i>Percina caprodes semifasciata</i>
11:30 AM	J Baskin	SA Bortone	JB Lee
	Evolutionary Morphology Of Trichomycterid Catfishes: About Hanging On And Digging In.	Historical Status and Trends in Tarpon Biology based on Recreational Catch Data from the Gulf of Mexico	The impact of historical biogeographic events on population history in the Central American livebearing fish <i>Poecilia gillii</i>
11:45 AM	M Wilson		DA Neely
	Salmonid Relationships: Morphological Correlates of Molecular Phylogenies		Phylogeography and molecular systematics of the mottled sculpin species complex (Teleostei: Cottidae).
12:00 PM	LUNCH		
		GI = Stoye General Ichthyology	

2007 Joint Meeting (JMIH), St. Louis, MO
BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 14 JULY, Morning Sessions

Grand AB	Grand C	Grand D	ROOM
Linnaeus Symposium	AES Symposium	Snake Ecology I	SESSION/ SYMPOSIUM
A Bauer	J Brunnschweiler	R King	MODERATOR
Introduction	D Sims		8:00 AM
	Satellite and Archival Telemetry of Shark Movements and Behaviour in Relation to Environment: Achievements, Challenges and Future Perspectives		
T Lindell		R King	8:15 AM
Linnaeus and his Contributions to Zoology	A Nielsen	P Jones	8:30 AM
		Ingesting an Invader: Projected Population Impacts of Lake Erie Watersnake Predation on Round Gobies	
K Adler	Errors in light based geolocation and how to fix them.	RN Reed	8:45 AM
Herpetological Exploration in the 18th Century: Spanning the Globe with Linnaeus's Students			Vital Rates of Brown Treesnakes (<i>Boiga irregularis</i>) From a Geographically Closed Population on Guam
A Bauer	R Graham	N Cagle - EE	9:00 AM
Linnaean Names and Pre-Linnaean Sources	When boat-based tracking is not an option: The trials and tribulations of using amazing (and sometimes frustrating) satellite telemetry on several shark species in two ocean basins	A Multi-scale Analysis of Snake Species-Habitat Relationships in the Tallgrass Prairie	
R Wahlgren		B Halstead - EE	9:15 AM
A Survey of the Linnaean Type Material of the Adder, <i>Coluber berus</i> , <i>Coluber cherssea</i> and <i>Coluber prester</i>		Diet Selection of the Coachwhip (<i>Masticophis flagellum</i>) and Black Racer (<i>Coluber constrictor</i>) in Florida Scrub Habitat	
BREAK - Ballrooms E & F			9:30 AM
Linnaeus Symposium	AES Symposium	Herp Conservation Genetics	SESSION/ SYMPOSIUM
R Wahlgren	J Brunnschweiler	CD Anderson	MODERATOR
T Lindell	B Bruce	CD Anderson	10:00 AM
Lignum colubrinum and Radix senega - Snakebite Treatments in the mid-1700s. Two Dissertations by Linnaeus published in 1749.	Satellite Tracking of Sharks in Australian Waters - Current Research and Challenges	Landscape genetics of the desert massasauga rattlesnake (<i>Sistrurus catenatus edwardsii</i>) in Arizona and New Mexico.	
W Duellman		JL Neuwald	10:15 AM
Linnaean Names in South American Herpetology		Genetic Diversity In The Eastern Collared Lizard Changes In Response To Forest Fire Management	
E Liner	R Hueter	JC Marshall	10:30 AM
Linnaeus's Amphibians and Reptiles of the New World Excluding South America	Satellite-Based Tracking of Whale Sharks (<i>Rhincodon typus</i>) Tagged off Quintana Roo, Mexico: Movement Patterns, Hypotheses and Challenges	Population Genetics of the Threatened Copperbelly Water Snake	
C Schaffer		M Madison-Villar - C	10:45 AM
A Short History of Testudine Taxonomy According to Linnaeus		Conservation Genetics of the Western Spadefoot (<i>Spea hammondi</i>) in Southern California	
R McDiarmid	S Jorgensen	DM Green	11:00 AM
Linnaeus's Snakes: How Well Did He Do?	Satellite Tracking of Lamnid Sharks in the North Pacific Ocean	Postglacial Range Expansion in the Wood Frog, <i>Rana sylvatica</i> : Cryptic Lineages and Northern Refugia	
J Simmons			11:15 AM
Observation and Distillation—Preservation, Depiction, and the Perception of Nature			
K de Queiroz	Discussion		11:30 AM
From Linnaeus to the PhyloCode			11:45 AM
LUNCH	LUNCH	LUNCH	12:00 PM
GDM = Stoye Genetics Development & Morphology	C = Stoye Conservation	EE = Stoye Ecology & Ethology	

2007 Joint Meeting (JMIH), St. Louis, MO
BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 14 JULY, Afternoon Sessions

ROOM	Regency C	Regency B	Regency A
SESSION/ SYMPOSIUM	ASIH Teleost Symposium	Fish Conservation II	Herp Ecology
MODERATOR	M Wilson	MS Peterson	F Zaidan
1:30 PM	T Grande	MS Peterson	MA Donnelly
	An Integrative Approach to Understanding the Evolution of Esocid Fishes	Nile Tilapia Establishment In Coastal Mississippi: Otolith Ages Seal The Deal!	Landscape effects on the distribution of amphibians and reptiles in the Big Cypress National Preserve
1:45 PM	L Parenti	P Cochran	J Robertson - GH
	Patterns of gonad morphology, phylogeny, and evolution in neoteleosts	"Willow Cats" For Sale? Madtoms (Genus Noturus) as Bait in the Upper Mississippi River Valley	Geographic Diversity: Patterns and Processes
2:00 PM	S Scott	FD Martin	A Wright
	The Species Of The Genus Orestias (Teleostei: Cyprinodontidae) From The Southern Altiplano	Striped bass spawning in the Savannah River: what is known and what is speculation?	Niche variation among native and introduced populations of an invasive lizard: resource availability is more important than range
2:15 PM	GD Johnson	DJ Pondella	K Karsten - GH
	Occipito-vertebral Fusion in Actinopterygian Fishes: Myth and Reality	Evidence for the Return of a Fishery: Distribution and Abundance of Juvenile White Seabass (<i>Atractoscion nobilis</i>) in the Shallow Nearshore Waters of the Southern California Bight, 1995-2005	Living Life Like There Is No Tomorrow: Growth, Sex, And Death In A Remarkable Chameleon In Madagascar
2:30 PM		R Graham	A Schneider - GH
		Status of the Goliath grouper in Southern Belize	Assessing Concurrent Patterns of Morphological and Environmental Niche Evolution in Horned Lizards (<i>Phrynosoma</i>)
2:45 PM	EO Wiley	K Longenecker	H Greene
	Deconstructing Euteleost Classification	Evaluating Marine Protected Areas As Fishery Management Tools I: Can Potential Yield Compensate For Lost Fishing Grounds?	Primates and Pythons as Predators, Prey, and Potential Competitors
3:00 PM		R Langston	E Schaad
		Evaluating Marine Protected Areas As Fishery Management Tools II: Can Reproductive Output Compensate For Lost Fishing Grounds?	Evolution of Variability in Pitviper Venom Toxicity
3:15 PM		D Bailey	F Zaidan
		Effects of Predator Accumulation on Community Structure of Fishes in Marine Protected Areas	Natural History In An Unnatural Setting: Diamondback Water Snakes In Deep South Texas
3:30 PM		R Ward	A Diaz de la Vega-Perez
		Genetic Affinity of Lake Erie Lake Herring (<i>Coregonus artedii</i>) - Remnants of the Aboriginal Population or Strays from Other Great Lakes?	Influence of Human Disturbances in Antipredatory Behavior of <i>Sceloporus bicanthalis</i> Lizards
3:45 PM			VH Jiménez Arcos
			Thermal efficiency in the viviparous lizard <i>Sceloporus torquatus torquatus</i>
4:00 PM	POSTER SESSION II Grand Ballrooms E and F		
4:30 PM			
5:00 PM			
5:30 PM			
6:00 PM			
			GH = Stoye General Herpetology

2007 Joint Meeting (JMIH), St. Louis, MO
BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 14 JULY, Afternoon Sessions

Grand AB	Grand C	Grand D	ROOM
Herp Conservation II	AES Physiology	Anuran Ecology	SESSION/ SYMPOSIUM
B Kingsbury	J Gelschlechter	J Vonesh	MODERATOR
B Kingsbury	JW Mandelman	C Adams	1:30 PM
Habitat Use and Movement Patterns of the Eastern Fox Snake in a Disturbed Ecosystem	Blood Acid-Base Status in Longline-Caught Carcharhinds: Links Between Interspecific Differences and Observer Reported At-Vessel Mortality	Anuran Use Of Primary Successional Ponds	
R Seigel	R Wilborn - C	J Vonesh	1:45 PM
A Comparison of Two Adjacent but Fragmented Populations of Massasauga Rattlesnakes (<i>Sistrurus catenatus</i>)	Swimming Performance And Metabolic Costs Of Exertion In Three Species Of Juvenile Elasmobranchs	Predator-induced shifts in oviposition site selection in amphibians: A meta-analysis and conceptual model of consequences for regional recruitment	
E Roznik	C Chapman	J Purrenhage	2:00 PM
Upland Habitat Use and Survivorship of Juvenile Gopher Frogs (<i>Rana capito</i>)	Anoxia tolerance and haematological strategies in two closely related reef sharks: The Epaulette shark (<i>Hemiscyllium ocellatum</i>) and the Grey carpet shark (<i>Chiloscyllium punctatum</i>)	Habitat Complexity, Competitor Density, and Predator Identity: Differential Response in Larval Amphibian Communities	
K Barrett	M McComb	S Herrick - EE	2:15 PM
Amphibian And Reptile Responses To Land Use Disturbance In Western Georgia, USA	Visual Fields Of Four Batoid Fishes: A Comparative Study	Spatial Interactions of Breeding Male Green Frogs (<i>Rana clamitans</i>) and Bullfrogs (<i>Rana catesbeiana</i>)	
T Rittenhouse	J Gelslechter	R Saporito	2:30 PM
Sources of Mortality for Wood Frogs in Oak-Hickory Forests: the Effects of Drought and Timber Harvest	Are bull sharks on drugs? Preliminary observations on human pharmaceutical exposure and uptake in juvenile bull sharks (<i>Carcharhinus leucas</i>) residing in wastewater-impacted freshwater habitats.	Experimental Evidence For Aposematism In The Dendrobatid Poison Frog <i>Oophaga pumilio</i>	
A Schmutzer	E Ferer - G	J Sheridan - EE	2:45 PM
Influences Of Cattle On Larval Amphibians And The Aquatic Environment In Cumberland Plateau Wetlands	Effect of Changing Salinity on Urea and Trimethylamine-oxide Levels in Blood Plasma of Atlantic Stingray (<i>Dasyatis sabina</i>)	Reproductive Variation in Wide-Ranging Anurans: Clutch Size Variation Across Genetically Similar Populations	
F Beaudry - C	M Montano	K Hurme - GH	3:00 PM
Spatial and Temporal Aspects of Road Mortality Risk for Spotted and Blanding's Turtle Populations in Maine	Ethoxyresorufin-O-deethylase (EROD) activity as a biomarker for pollutant exposure in bonnethead sharks (<i>Sphyrna tiburo</i>) and Atlantic stingrays (<i>Dasyatis sabina</i>)	Tadpole schooling and parental care in an aquatic-breeding tropical frog, <i>Leptodactylus insularum</i>	
H Harms - C	D Cocks	R Scherer	3:15 PM
Assessing Viability And Identifying Critical Ecological Variables And Genetic Structure Of Rare Freshwater Turtles	Testing The Thermodynamic Partitioning Of Ba, Sr, And Ca In Sharks Teeth Sampled From Commercially Operated Aquaria	The Effects Of Weather On Survival In Populations Of Boreal Toads From Colorado	
		S Blomquist - EE	3:30 PM
		Externally attached radio-transmitters have limited effects on the antipredator behavior and vagility of <i>Rana pipiens</i> and <i>R. sylvatica</i>	
			3:45 PM
	AES Business Meeting (3:30 - 5:30 p.m.)		
SSAR Business Meeting (4 - 6 p.m.)	POSTER SESSION II Grand Ballrooms E and F		4:00 PM
			4:30 PM
			5:00 PM
			5:30 PM
			6:00 PM
C = Stoye Conservation	G = Gruber	EE = Stoye Ecology & Ethology GH = Stoye General Herpetology	

2007 Joint Meeting (JMIH), St. Louis, MO
BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 15 JULY, Morning Sessions

ROOM	Regency C	Regency B	Regency A
SESSION/ SYMPOSIUM	Fish Systematics II	Fish Ecology I	NIA Biogeography I
MODERATOR	B Collette	JB Johnson	J Albert
8:00 AM	M Melo - GI		J Albert
	Luminescent Organs, Species Recognition and Diversity in the Deep-sea Fish Family Chiasmodontidae (Teleostei: Acanthomorpha)		Introduction to the 2007 NIA biogeography session: Geology and the origins of the Neotropical ichthyofauna.
8:15 AM	H Banford	C Boerger	P Petry
	Relationships Of Western Atlantic Hyporhamphus (Belontiiformes: Hemiramphidae) With The Description Of A New Species From Bermuda	Life History and Productivity of Herbivorous Halfmoon (Medialuna californiensis) off Southern California	Landscape hydrodensity and species-area relationships in Neotropical fishes [NIA BIOGEOGRAPHY SESSION]
8:30 AM	S DeVaney - GI	J Bredvik	F Lima
	Phylogenetic Origins Of Neoteleostei And Placement Of Stomiiformes	Life History and Ecology of an Herbivorous Temperate Marine Fish, Girella Nigricans	Tooth Morphology in Characiforms and its Implications for the Evolution of Feeding Behavior and Diet
8:45 AM	BL Banbury	D Silver	N Lujan
	Many-to-one mapping and evolutionary dynamics of form and function	The Effects of Predator Presence on the Life-History of the Fathead Minnow	BIOGEOGRAPHY SESSION: Biogeography and geology of the Venezuelan Guyana Shield
9:00 AM	M Davis - GI	JB Johnson	T Hrbek
	Relationships within the Order Aulopiformes: A Molecular Approach Based on Nuclear and Mitochondrial Gene Sequences	Differential mortality drives life history evolution and shapes population dynamics in the livebearing fish Brachyrhaphis rhabdophora	BIOGEOGRAPHY SESSION – Biogeographic inferences from the phylogenetic relationships of the Guyana Shield clade of Rivulus (Rivulidae: Cyprinodontiformes)
9:15 AM	C Li - GI	P McGrath - EE	K Winemiller
	Partitioned Analysis: Beyond by Genes and Codon Positions	Longnose Gar (Lepisosteus osseus), an Apex Predator within Chesapeake Bay's Tributaries (Virginia)	The Rio Casiquiare Removed the Physical Barrier Between the Orinoco and Amazon Basins and Replaced it With an Environmental Filter
9:30 AM	BREAK - Grand Ballrooms E & F		
SESSION/ SYMPOSIUM	Fish Systematics II	Fish Ecology I	NIA Biogeography I
MODERATOR	K Martin	J Schaefer	W Crampton
10:00 AM	WL Smith	L Nico	P Willink
	Limits and Relationships of Cottoid, Gasterosteoid, and Zoarcoid Fishes	Nest Burrows and Burrow Colonies of Introduced Loricariid Catfishes (Genus Pterygoplichthys) in Florida	Biogeographic Islands of Andean Fishes in the Peruvian Lowland Amazon
10:15 AM	AK Persons - GDM	E Clark	I Farias
	Geometric Morphometric Characters in Phylogenetic Analyses: Increased Signal, Increased Noise, or Maintenance of the Status Quo?	Massive Colonies and Behavior of Sand-diving Fishes, Genus Trichonotus	BIOGEOGRAPHY SESSION - Comparative phylogeography of Amazonian fishes
10:30 AM	T Near	Z Benzaken - EE	N Menezes
	Phylogenetics and adaptive radiation of Antarctic notothenioid fishes	Modeling spatial memory in rainbow fish	Biogeography of the Glandulocaudinae (Teleostei: Ostariophysi: Characidae)
10:45 AM	K Tang	J Beugly	LS de Souza - NIA
	Systematics of Damselfishes (Perciformes: Pomacentridae)	Changes in Functional Guilds of Fish Assemblages in the Middle Wabash River From 1974 to 1998	The Role Of The Rupununi Portal In Shaping Fish Distributions Of Northern South America
11:00 AM	M Raley	A Manimekalan	W Crampton
	Further DNA Evidence To Support Recognition Of A "Cryptic" Species Of Longnose Shiner, Notropis longirostris (Hay, 1881) From Rivers East Of The Mobile Basin	Diversity and Distribution of Fishes of the Nilgiri Biosphere Reserve, Southern India	Biogeography and the Divergence of Electric Communication Signals in Banded Knife Fishes (Gymnotus: Gymnotiformes) (BIOGEOGRAPHY SESSION)
11:15 AM	J Baker	M Albrecht	M Richer-de-Forges
	Systematics of the Etheostoma rufilineatum species group (Teleostei: Percidae) based on both mitochondrial (Cytochrome b) and nuclear (S7 intron) loci	Response of Fish-Community Trophic Structure to Impoundment of the Upper Tocantins River, Brazil	Distinct patterns of biodiversity and biogeography within subclades of the Neotropical electric fish Gymnotus [NIA BIOGEOGRAPHY SESSION]
11:30 AM	K Martin	N Ozburn	J Armbruster
	Grunion in San Francisco Bay: Northern Ecotype of a Southern California Icon	Influence Of Dams On Stream Fish Biodiversity Across A Diverse Georgia Landscape	BIOGEOGRAPHY SESSION: Repeated Trends in Hypostomine Loricariid diversification across the Rupununi and Casiquiare Portals
11:45 AM	R Cleaver	J Schaefer	R Reis
	Descriptions and Review of Some Cave-Dwelling Cichlids of Lake Malawi	Effects of hurricane Katrina on the fish fauna of the Pascagoula drainage	Biogeographic Implications of a New Phylogeny of the Loricariidae: Invasions of the Amazon
12:00 PM	LUNCH	LUNCH	LUNCH
	GI =Stoye General Ichthyology GDM = Stoye Genetics Development & Morphology	EE = Stoye Ecology & Ethology	NIA = Best Student Paper

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BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 15 JULY, Morning Sessions

Grand AB	Grand C	Grand D	ROOM
Herp Systematics	AES Development, Morphology & Reproduction	Snake Ecology II	SESSION/ SYMPOSIUM
T Grant	J Wyffels	C Cox	MODERATOR
M Heinicke		A Pattishall - EE	8:00 AM
Mega-radiations of New World Frogs (Eleutherodactylus and Relatives) Resolved by Molecular Phylogeny. I. Relationships and Biogeography		Habitat Use in Synurbic Water Snakes (Nerodia sipedon sipedon)	
B Hedges		D Reavill	8:15 AM
Mega-radiations of New World Frogs (Eleutherodactylus and Relatives) Resolved by Molecular Phylogeny. II. A New Classification		Temporal Energy Resource Partitioning Between Gopher Snake (Pituophis catenifer) Sexes	
T Grant	LB Whitenack - G	J Pierce	8:30 AM
Direct Optimization and the Phylogenetic Analysis of DNA Sequences	Three-Dimensional Finite Element Analysis of Selachian Teeth	Snake Habitat Use Within An Upland Pine Ecosystem	
A Leaché - GH	KR Mara	J Todd - EE	8:45 AM
A Multilocus Nuclear Perspective on the Systematics of North American Fence Lizards	Durophagy In The Bonnethead Shark, Sphyrna tiburo: An Ecomorphological Conundrum.	Ecology And Ethology Of The Eastern Ribbonsnake (Thamnophis sauritus) At The Northern Limit Of Its Range	
M Brandley - GH	P Motta	C Cox	9:00 AM
The Phylogenetic History of Pleistodon (Eumeces) Lizards and a Multi-locus Perspective of the Genus' Historical Biogeography	Whale shark filter feeding: morphology, mechanism and consumption.	Spatial Scaling Among Body Size Distributions of Snakes	
J Schulte	K Yopak	N Ford	9:15 AM
Iguanian Lizard Phylogeny And The Utility Of Several Nuclear Gene Regions	The Batoid Brain: Correlations with Ecology, Locomotory Mode, and Fin Morphology	Niche Apportionment And Random Processes Both Influence Snake Assemblages In Bottomlands.	
BREAK - Ballrooms E & F			9:30 AM
Herp Systematics	AES Development, Morphology & Reproduction	Snake Ecology II	SESSION/ SYMPOSIUM
J Jackman	R Hueter	J Waldron	MODERATOR
A Fouquet - GH	J Wyffels	D Mullich - EE	10:00 AM
Diversity of frogs in the eastern Guianas	Characterization and Dynamics of the Extra-embryonic Egg Case Contents of Scyliorhinus torazame	Variation in Defensive Behaviours of the Western Cottonmouth, Agkistrodon piscivorus in Response to Temperature, Size, Sex, and Reproductive Condition	
R Pyron	B Harahush	B Jellen	10:15 AM
Phylogeography at a continental scale: historical biogeography of the Common Kingsnake (Lampropeltis getula).	Retinal Development Of The Visual System In The Brown Banded Bamboo Shark, Chiloscyllium punctatum (Hemiscylliidae)	Movement and Growth of Neonate Eastern Massasaugas (Sistrurus catenatus)	
T Guiher	L Hollensead	N Bieser	10:30 AM
Dissimilar Phylogeographic Histories in the Co-distributed Sister Taxa Agkistrodon contortrix and Agkistrodon piscivorus.	Bioenergetic condition of juvenile scalloped hammerheads (Sphyrna lewini) in two coastal habitats in the northeastern Gulf of Mexico	Ontogenetic Effects on the Spatial Ecology of Eastern Massasauga Rattlesnake (Sistrurus catenatus catenatus)	
R Becker	PA Mejía-Falla	S Gibson	10:45 AM
Phylogenetic Implications of Amniote Proopiomelanocortin (POMC) Sequences	Life History Aspects Of Round Stingrays Urotrygon rogersi Of The Pacific Ocean Off Colombia	Intraspecific Variation in Area Use and Movements of the Timber Rattlesnake (Crotalus horridus) in Southern Indiana	
O Torres-Carvajal	A Piercy	T VanDeWalle	11:00 AM
Phylogeny of Hoplocercid/Hoplocercine Lizards (Squamata: Iguania)	Reproduction Of The Sandbar Shark (Carcharhinus plumbeus) In The Northwest Atlantic And Gulf Of Mexico.	Ecology of the Eastern Massasauga Rattlesnake in Iowa.	
P Zhang	C Mull	CS Smith	11:15 AM
Higher-Level Salamander Relationships Inferred from Complete Mitochondrial Genomes	Sexual Segregation and Utilization of Coastal Saltmarsh Mitigation by Pregnant Female Round Stingrays (Urobatis halleri)	Hibernation Ecology of the Eastern Massasauga Rattlesnake (Sistrurus catenatus catenatus) in Michigan	
T Jackman		J Waldron	11:30 AM
Phylogenetic Relationships of a Transatlantic Clade of Gekkonid Lizards		Microhabitat Selection by Canebrake Rattlesnakes in South Carolina	
J Guayasamin		D Wasko	11:45 AM
Evolution Of Morphology And Behavior In Glassfrogs		Space usage, movement patterns, and habitat selection of fer-de-lance (Bothrops asper) in Costa Rica.	
LUNCH	LUNCH	LUNCH	12:00 PM
GH = Stoye General Herpetology	G = Gruber	EE = Stoye Ecology & Ethology	

2007 Joint Meeting (JMIH), St. Louis, MO
BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 15 JULY, Afternoon Sessions

ROOM	Regency C	Regency B	Regency A
SESSION/ SYMPOSIUM	Fish Systematics III	Fish Ecology II	NIA Biogeography II
MODERATOR	GD Johnson	N Franssen	P Buckup
1:30 PM		N Prista	PA Buckup
		Using Sound Production To Identify <i>Argyrosomus regius</i> (Sciaenidae) In European Estuaries	The Northern Limits of the Upper Paraná Area of Endemism - NIA BIOGEOGRAPHY SESSION
1:45 PM	M Docker	B Kuhajda	D Toffoli - NIA
	Polyphyly And Absence Of Fixed Sequence Differences Suggest That "Paired" Species In The Lamprey Genus <i>Ichthyomyzon</i> Represent Two Feeding Types Of A Single Species	Telemetry Tracking of Big Amudarya Shovelnose Sturgeon (<i>Pseudoscaphirhynchus kaufmanni</i>) in the Middle Reach of the Amudarya River in the Aral Sea Basin of Central Asia	BIOGEOGRAPHY SESSION: Evolutionary History of Freshwater Stingrays (Potamotrygonidae: Myliobatiformes): Implications for South America Biogeography
2:00 PM	D Boguski	K Wieber - GI	S Willis - NIA
	Brook Lamprey Diversity Along The Pacific Coast Of North America	Habitat Associations of Demersal Fishes on the Charleston Bump and Adjacent Blake Plateau	NIA BIOGEOGRAPHY SESSION: Historical Biogeography Of South American Cichlids Inferred From Molecular Data
2:15 PM	A Haponski	A Santos	H López-Fernández
	Molecular and Morphological Resolution of Cryptic Species of the Greenside Darter <i>Etheostoma blennioides</i> Complex	Ecological Aspects Of The Ichthyofauna From The Middle Paraguaçu River, Bahia, Brazil	NIA BIOGEOGRAPHY SYMPOSIUM – Divergence Times of Neotropical Cichlids and Some Implications for South American Freshwater Fish Biogeography
2:30 PM	P Berendzen	N Franssen	J Schmitter-Soto
	Local Endemism and Widespread Dispersion, Two Contrasting Demographic Patterns Within the <i>Etheostoma blennioides</i> Species Complex (Perciformes: Percidae)	Habitat And Resource Use Of Young Colorado Pikeminnow (<i>Ptychocheilus lucius</i>) In The San Juan River, New Mexico And Utah, USA.	Biogeography of Middle American Cichlids Allied to <i>Archocentrus</i>
2:45 PM	M Friedman	A Kennon	NR Lovejoy
	Spanning naked stems and breaking long branches: examples from the fossil record of lampridiforms (Teleostei: Acanthomorpha)	Habitat Patches and Fish Assemblages in Streams of the Chattahoochee River Drainage, AL	BIOGEOGRAPHY SESSION Biogeography Of The Needlefish Genus <i>Potamorhaphis</i>
3:00 PM	P Chakrabarty	J Rasmussen	B Chernoff
	Phylogenetic Relationships Of Ponyfishes (Teleostei: Leiognathidae) With A Discussion Of The Evolution Of Their Light Organ System	Movement of leatherside chub in a Utah stream in response to variation in density	Phylogenetic Relationships and Biogeography of <i>Atherinella</i> (Atherinopsidae) BIOGEOGRAPHY SESSION
3:15 PM	N Delventhal	J Gerken	D Taphorn B.
	Phylogeny of the Dragonface Gobies, <i>Gobiopsis</i> (Gobiidae: Perciformes: Teleostei)	Habitat Use of the Grotto Sculpin (<i>Cottus carolinae</i>) A Troglitic Fish Species in Perry County, Missouri	Zoogeography of freshwater fishes of the Caribbean versant of Venezuela
3:30 PM	JJ Bizzarro	J Knouft	
	Divergence and dimorphism: The taxonomic status of <i>Gymnura crebripunctata</i> (Peters 1869) and <i>G. marmorata</i> (Cooper 1864) in the eastern Pacific Ocean	Spatial and climatic patterns of population abundance across geographic ranges of North American fish species	
3:45 PM	G Smith	V Thompson - EE	
	Miocene To Pleistocene Ecology And Life History Evolution Of Pacific Salmon, <i>Oncorhynchus</i> , In Western North America	Determining The Mechanisms Of Population Self-Replenishment In Coral Reef Fishes.	
4:00 PM	POSTER SESSION III Grand Ballroom E & F		
4:30 PM			
5:00 PM			
5:30 PM			
6:00 PM			
7:00 PM	ASIH Business Meeting (6 - 8 p.m.)		
8:00 PM			
		E&E = Stoye Ecology & Ethology GI - Stoye General Ichthyology	NIA = Best Student Paper

2007 Joint Meeting (JMIH), St. Louis, MO
BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 15 JULY, Afternoon Sessions

<i>Grand AB</i>	<i>Grand C</i>	<i>Grand D</i>	<i>ROOM</i>
Herp Behavior	AES Open Microphone	Herp Biogeography II	SESSION/ SYMPOSIUM
A Paterson	G Burgess	MR Douglas	MODERATOR
A Paterson		T Herman	1:30 PM
Differential Crest Erection and Headbob Use Towards Different Classes of Intruders in an Anoline Lizard		Range-wide Phylogeography of the Four-toed Salamander (<i>Hemidactylium scutatum</i>) with Implications for Post-glacial Recolonization and the Origin of the Plethodontidae	
Troy Baird		A Stevenson	1:45 PM
Does Male Display Advertise to Mates or Competitors? A Comparative Field Test in Collared Lizards		Asymmetric Introgression Among Deeply Divergent Salamander Mitochondrial Phylogroups	
M Waters		JF Degner	2:00 PM
Habitat Use And Movement Patterns In Queen Snakes (<i>Regina septemvittata</i>)		Biogeography, genetic structure, and effective population size in the Ornate Chorus Frog (<i>Pseudacris ornata</i>).	
H Astley		ME Douglas	2:15 PM
Effects of Perch Diameter and Incline on the Arboreal Locomotion of Snakes		Evolution and Diversification of the Pitviper Genus <i>Agkistrodon</i> (Viperidae) in Pleistocene North America	
C Navas		R Blaine	2:30 PM
Behavior and survival in frogs from the Caatinga, a Brazilian semi-arid environment		The influence of middle-Pliocene sea-level fluctuations on Western Gulf Slope populations of <i>Holbrookia propinqua</i>	
X Glaudas		A Carmago	2:45 PM
Do Warning Displays Predict Striking Behavior In A Viperid Snake, The Cottonmouth (<i>Agkistrodon piscivorus</i>)?		Lizard Phylogeography: Where Are We Now?	
J Parmelee		J Robinson	3:00 PM
Scent-Trailing (Or Lack Thereof) Of Neonate Timber Rattlesnakes (<i>Crotalus horridus</i>).		Contrasting patterns of gene flow among three sympatric snake species: implications into range-wide phylogeographic patterns	
L Houck		HB Shaffer	3:15 PM
Salamander Pheromone Proteins Affect Female Receptivity		Conflicting Mitochondrial vs Nuclear Phylogenies For The Widely Disjunct <i>Emys</i> Species Complex, And What They Tell Us About Biogeography And Hybridization	
N Kohn		R Glor	3:30 PM
Can Red-backed Salamanders Use Only Chemical Cues Or Only Visual Cues For Individual Recognition Memory		New Metrics of Environmental Niche Similarity and their Application to the Question of Niche Conservation	
M Duryea		S Perkins	3:45 PM
Male Competition, Spermatophore Allocation, and Sexual Interference in the Spotted Salamander (<i>Ambystoma maculatum</i>)		Malaria Parasites in Invasive Brown Anoles (<i>Anolis sagrei</i>) in Florida	
			4:00 PM
			4:30 PM
			5:00 PM
			5:30 PM
			6:00 PM
	POSTER SESSION III Grand Ballrooms E and F		

2007 Joint Meeting (JMIH), St. Louis, MO
BREAK-OUT SESSIONS AT A GLANCE
Monday, 16 JULY, Morning Sessions

ROOM	Regency C	Regency B	Regency A
SESSION/ SYMPOSIUM	General Ichthyology	Herp Biogeography III	Herp Reproduction & Physiology
MODERATOR	M Belk	T Doan	E Taylor
8:00 AM	C Scharpf Annotated Checklist of North American Freshwater Fishes, Including Subspecies and Undescribed Forms	T Doan Intraspecific Differentiation in the Andes: Phylogeography of Proctoporus bolivianus (Squamata: Gymnophthalmidae)	A Bagwill Seasonal Oviductal Ultrastructure of the American Alligator, Alligator mississippiensis: Sperm Storage as a Reproductive Tactic.
8:15 AM	E McCartney-Melstad - GI	J Daza	R Aldridge
	Fossil-calibrated molecular phylogenies and divergence time estimates of the two extant coelacanth species (Latimeria)	An Explicit Temporal Model For Middle American Highland Biogeography As Inferred From Multiple Lineages Of Neotropical Pitvipers	Courtship Behavior and Evacuation of the Urinary Ducts in Captive Brown House Snakes (Lamprophis fuliginosus)
8:30 AM	M Bennett	D Shepard	N Nazdrowicz
	Distribution and Life History Attributes of the Frecklebelly Madtom (Noturus munitus) in the Mobile Basin	A New Perspective on the Morphological and Genetic Variation among Plethodon ouachitae from Different Mountains in the Ouachita Range	Reproductive Ecology Of The long-tailed Salamander In Springhouses
8:45 AM	J Egge	F Burbink	T Farrell
	The phylogenetic position of the Scioto madtom, Noturus trautmani (Siluriformes: Ictaluridae)	Sky Island Demographics: Evolutionary History of Plethodon ouachitae	The Repeatability of Female Reproductive Traits in Population of Pigmy Rattlesnakes (Sistrurus miliarius)
9:00 AM	H Howell	C Brasileiro	E Taylor
	Dam Removal on the Cahaba River Improves Utilization of Riffle Habitat by Imperilled Fish Species	Frogs on Southeastern Brazilian Islands: Species Composition, Endemism and Island Biogeography	Testosterone Regulates Sexual Size Dimorphism in Sceloporus Lizards
9:15 AM	M Belk	C Austin	MR Parker
	Top-down and Bottom-up Effects and Genetic Influence on Morphometric Shape Variation Among Populations of Utah Chub, Gila atraria	New Guinea Reptile and Amphibians: Patterns, Processes, and Megadiversity	The post-mating estrogen surge and its role in skin lipid secretion in female garter snakes
9:30 AM	BREAK	BREAK	BREAK
SESSION/ SYMPOSIUM	General Ichthyology	Fish Behavior	Herp Reproduction & Physiology
MODERATOR	B Sidlauskas	C Johnston	S Mackessy
10:00 AM	M Sabaj Pérez	C Johnston	
	Fossil Catfishes of the Families Doradidae and Pimelodidae (Teleostei: Siluriformes) from the Miocene Urumaco Formation of Venezuela	Production of acoustic signals during aggression in Coosa bass (Micropterus coosae)	
10:15 AM	KE Black	D Holt	S Mackessy
	Three New Species of the Amphiphilus citrinellus (Günther) Species Complex in Lake Apoyo, Nicaragua	Cyprinella trichostria As River Whisperers: Communication Without The Hassle Of Being Eaten.	Venoms among the Colubroidea: occurrence of many homologous envenomation systems does not equal unknown function or biological role
10:30 AM	R Remington - GI	J Stauffer	J Frazier
	Evolution of turbid water adaptations in the genus Hybognathus	Brood Parasitism by Bathyclarias Species in Lake Malawi, Africa	Spatial and Temporal Thermal Habitat Distribution for the Cayos Cochinos Boa constrictor
10:45 AM	M Tobler - GI	C MacKichan - EE	R Naus
	Ecological Differentiation And Reproductive Isolation Along Environmental Gradients In Poecilia mexicana (Poeciliidae, Teleostei)	Reproductive Behavior of Gray Triggerfish, Balistes capriscus, in the Northeastern Gulf of Mexico	Behavior and Digestion in Prehensile Tailed Skinks Fed a Natural Diet
11:00 AM	E Billman	OT Lorenz - EE	S Beaupre
	Ontogenetic shape variation in Trichomycterus areolatus from two Chilean rivers	Behavioral interactions between a native and an invasive fish: cichlid hawks and bourgeois bluegill	Long-Term Studies Of Field Metabolic Rate In Timber Rattlesnakes: Annual Variation, Critical Factors, And Implications For Bioenergetic Studies
11:15 AM	C Bossu - GI	C Phillips	S Reynolds
	Assessing genetic diversity and phylogenetic relationships among the undescribed Bridled darter complex (Percina sp. cf. macrocephala) of the Mobile Basin.	The Role of Body Size, Territory Ownership and Acoustic Cues in Male Contests in the Whitetail Shiner, Cyprinella galactura	Dry Season Ecology and Body Fluid Osmolality in a Burrowing Hylid from the Australian Monsoonal Tropics
11:30 AM	B Collette	S Szedlmayer	G Gerald - EE
	Is Oxyporhamphus a halfbeak or a flyingfish?	Interactions between Gray Triggerfish, Balistes capriscus, and Red Snapper, Lutjanus campechanus, in the Northeast Gulf of Mexico.	Locomotor Performance Trade-offs Among Snakes That Utilize Different Microhabitats
11:45 AM		JM Gardiner - EE	F Mendez
		Blind fish suck: Largemouth bass (Micropterus salmoides) switch feeding modalities in response to sensory deprivation	Reproductive Cycles Of Viviparous Sceloporus Are Synchronous Or Asynchronous Between Males And Females? With A Critique On Papers Published.
12:00 PM	LUNCH	LUNCH	LUNCH
	GI = Stoye General Ichthyology	EE = Stoye Ecology & Ehtology	

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BREAK-OUT SESSIONS AT A GLANCE
Monday, 16 JULY, Morning Sessions

<i>Grand AB</i>	<i>Grand C</i>	<i>Grand D</i>	<i>ROOM</i>
Herp Morphology, Genetics & Development	Fish Systematics IV	Invasive Herps	SESSION/ SYMPOSIUM
A Maglia	I Tibbetts	M Christy	MODERATOR
A Maglia		J Johnson	8:00 AM
The Amphibian Anatomical Ontology		Introduced tiger salamander genotypes in a highly modified agricultural landscape: Implications for conservation of California tiger salamanders	
JD Stewart		J Kolbe	8:15 AM
Genomic Responses of Axolots (<i>Ambystoma mexicanum</i>) to Infection by an Emerging Virus		Differential admixture shapes morphological and genetic differences among invasive populations of the brown anole, <i>Anolis sagrei</i> .	
K Cabarle	M Craig	T Campbell	8:30 AM
gonadal development in <i>ambystoma mexicanum</i> treated with atrazine.	A Molecular Phylogeny Of The Groupers Of The Family Epinephelidae With A Revised Classification Of The Epinephelini	The Role of Emergency Response Networks in Thwarting Amphibian and Reptile Introductions in Florida	
D Gopurenko	I Tibbetts	J Savidge	8:45 AM
A sexual selection paradox in the small-mouthed salamander (<i>Ambystoma texanum</i>) identified via microsatellite parentage analysis	What can Hemiramphid Herbivory tell us about Evolutionary Relationships among Belontiiforms?	Multiple Pathways for Invasion of Anurans on a Pacific Island	
D Meinhardt	B Keck	C Romagosa	9:00 AM
Thin-plate Spline Analysis of Vertebrae Asymmetry in American Toads (<i>Anaxyrus americanus</i>)	Genetic Paraphyly and Meristic Analysis of <i>Nothonotus sanguifluus</i> (Percidae).	The Trade In Live Vertebrates As An Invasion Pathway	
J Peterson - GDM	JA López	M Dorcas	9:15 AM
Growth and Developmental Effects of Coal Combustion Residues on Southern Leopard Frog (<i>Rana sphenoccephala</i>) Tadpoles Exposed Throughout Metamorphosis.	Mitochondrial Genetic Variation of the Bull Shark (<i>Carcharhinus leucas</i>) in the Western Atlantic	Thermal Biology of Invasive Burmese Pythons (<i>Python molurus bivittatus</i>) in Everglades National Park	
BREAK	BREAK	BREAK	9:30 AM
Herp Morphology, Genetics & Development	AES Ecology II	Amphibian Disease	SESSION/ SYMPOSIUM
R Burke	K Goldman	KG Smith	MODERATOR
	K Goldman		10:00 AM
	Demographic Analysis Of Sand Tiger Sharks In The Western North Atlantic		
CT Stayton	A Morgan	K Kriger	10:15 AM
Evolution and Variation of Skull Morphology and Feeding Kinematics in Five Turtle Species	Regional and Taxonomic Differences in Bycatch Caught in the U.S. Bottom Longline Fishery	Breeding Habitat, Altitude, and Chytridiomycosis	
L Kletzkina	S Kessel	RS Rajakaruna	10:30 AM
The Causes of Scute Abnormalities in Diamondback Terrapins from Jamaica Bay, New York	Exploratory Longlines On The Slope Of The Great Bahama Bank Off Bimini	Trematode infections, biocides and amphibian deformities: Evidence from an amphibian hotspot	
VP Páez	PA Mejia-Falla	KG Smith	10:45 AM
Incubation Condition And Maternal Effects On Eggs And Hatchlings Of The Magdalena River Turtle (<i>Podocnemis lewyana</i>) in The Mompos Depression, Colombia	Habitat Use by Whitetip Shark (<i>Triaenodon obesus</i>), Whale Shark (<i>Rhincodon typus</i>) And Manta Ray (<i>Manta birostris</i>), In The Gorgona Island, Pacific Ocean Off Colombia	Does Oral Chytridiomycosis Affect Amphibian Larvae? A Field Study Of Infection Status, Body Size, And Development Of African Tadpoles	
C Caprette	AF Navia	D Salazar-V	11:00 AM
Comparative anatomy of nocturnal and diurnal snake eyes and an estimate of their visual abilities.	Preliminary Results On The Biology Of Elasmobranchs Caught As Bycatch In A Tropical Prawn Trawl Fishery-Shrimp In The Pacific Ocean Off Colombia	Demography and Natural History of a Chytrid-infected Population of one of the Last Harlequin Frogs (<i>Atelopus: Bufonidae</i>) from Ecuador	
D Sever	BM Wetherbee	V Vazquez	11:15 AM
The Source Of Seminal Fluid In Snakes, As Exemplified By The Cottonmouth, <i>Agkistrodon piscivorus</i>	Site fidelity and patterns of habitat use of sandtiger sharks (<i>Carcharias taurus</i>) in Delaware Bay.	Assessing the Susceptibility of North American Plethodontid Salamanders to Chytrid Fungal Infection	
M Smith - GH	AC Gleiss		11:30 AM
The role of spatial and temporal factors in head shape variation a sexually dimorphic species: the Prairie Rattlesnake (<i>Crotalus v. viridis</i>)	What can cutting-edge Data-Loggers tell us about Behaviour? A preliminary test on captive Sharks at Bimini, Bahamas		
L Gibbs	B Delius		11:45 AM
Rapid evolution by positive selection of PLA2 venom genes in closely-related <i>Sistrurus</i> rattlesnakes with divergent diets	Do Bull Sharks Mediate Upstream Nutrient Transport In The Florida Coastal Everglades?		
LUNCH	LUNCH	LUNCH	12:00 PM
GH = Stoye General Herpetology	GDM = Stoye Genetics Development & Morphology		

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Monday, 16 JULY, Afternoon Sessions

ROOM	Regency C	Regency B	Regency A
SESSION/ SYMPOSIUM	General Herpetology	Fish Ecology III/Fish Behavior & Reproduction	Snake Conservation
MODERATOR	R Weaver	G Wilde	G Rodda
1:30 PM	W Barichivich	I Schlupp	M Davis
	Preliminary Results of a Capture/Recapture Study of Siren and Amphiuma in a North-Central Florida Lake	Local Matching Of Preferences In Asexual And Sexual Mollies (Poecilia, Poeciliidae)	Population Dynamics Of The Threatened New Mexico Ridge-Nosed Rattlesnake (Crotalus Willardi Obscurus) As Predicted By Matrix Models
1:45 PM	A Weber	G Wilde	A Rabatsky
	An Evaluation Of Sampling Methods For Determining Species Composition And Relative Abundance Of Turtles In A Small Lake	Early Survival Estimates For Six Species Of Juvenile Cyprinid Fishes In Two Great Plains Rivers	Tests of the Relaxed and Direct Selection Hypotheses for Rattle Loss in Island Rattlesnakes
2:00 PM	GJ Manning	J Snodgrass	M Christy
	Distribution and Characterization of Two Tokogenetic Arrays of Aspidoscelis tessellata D in San Miguel County, New Mexico	Relationships Between Lateral-fin Sexual Dimorphism and Environmental Conditions Among Populations of Blacknose Dace (Rhynchichthys atratulus)	Factors affecting visual detections of a geographically closed population of Brown Treesnakes (Boiga irregularis) on Guam
2:15 PM	A Savitzky	M Steele	BA DeGregorio
	Persistence and Provisioning of Bufonid Toxins in the Asian Snake Rhabdophis tigrinus (Colubridae: Natricinae)	Extrapolating Results Of Small-Scale Field Experiments To Enhance Population Size Of A Coral Reef Fish At Large Spatial Scales	Impacts of Clear-Cutting on the Habitat Use and Spatial Ecology of the Eastern Massasauga (Sistrurus c. catenatus)
2:30 PM	M Eckstut	M Pauers	GH Rodda
	Reproduction, Morphology, and Reproductive Morphology in the Unisexual-Bisexual Nactus Complex (Reptilia: Gekkonidae)	Divergent mate choice patterns in two populations of Labeotropheus fuelleborni	Climate Matching As A Tool For Predicting Potential Spread Of Brown Treesnakes
2:45 PM	R Weaver	C Hubbs	
	Affects of shelter and prey odor cues on activity patterns of the night snake (Hypsiglena torquata)	Springs are unique ecosystems	
3:00 PM	BREAK	BREAK	BREAK
MODERATOR	D Cundall		
3:30 PM	D Cundall	J Trexler	
	Measuring Snakes	Modeling the Evolution of Complex Reproductive Adaptations in Poeciliid Fishes: Does Superfecundation Facilitate the Evolution of Matrotrophy Or Vice Versa?	
3:45 PM	T Hibbitts		
	Identifying local extirpations using museum collections		
4:00 PM	C Spencer		
	Advances in Georeferencing Specimen Data from Natural History Collections		
4:15 PM	L Kasuga		
	The Spatial and Temporal Dynamics of Nest Predation in the Painted Turtle, Chrysemys picta		
4:30 PM	J Ennen		
	Diel Movement Behavior of Sternotherus minor peltifer (Stripe-necked Musk Turtle) in Central Tennessee		
4:45 PM	T LaDuc		
	Preliminary Demographics of Kinosternon flavescens in the Trans-Pecos		

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Monday, 16 JULY, Afternoon Sessions

<i>Grand AB</i>	<i>Grand C</i>	<i>Grand D</i>	<i>ROOM</i>
Amphibian Conservation	AES Conservation & Management	Herp Ecology & Evolution	SESSION/ SYMPOSIUM
M Boone	C Lowe	B Noonan	MODERATOR
J Cook	C Hayes	J Mahaffy	1:30 PM
Aspects of the biology of the protistan parasite <i>Dermomycoides</i> sp., a lethal pathogen of the Mississippi gopher frog and other anurans in the southeastern United States	Stock Assessment and Management of Scalloped Hammerheads (<i>Sphyrna lewini</i>) in the Northwestern Atlantic Ocean.	Historic Evidence for Rattlesnakes (<i>Massasauga</i> , <i>Sistrurus catenatus</i> , and the Timber Rattlesnake, <i>Crotalus horridus</i>) from Mitchell County in Northeastern Iowa and from Mower County in Southeastern Minnesota	
M Adams	J Carlson	N Martinez-Mendez	1:45 PM
Occurrence And Prevalence Of The Pathogen, <i>Batrachochytrium dendrobatidis</i> , In Oregon And Northern California Anurans	Should night sharks be listed as a Species of Concern to the Endangered Species Act?	Molecular Phylogeny of the <i>Sceloporus torquatus</i> group (Squamata:Phrynosomatidae).	
M Boone	J Thorson	G Colli	2:00 PM
Evaluating Single Versus Multiple Exposures of Insecticides on Amphibian Metamorphosis	Gear selectivity and sample size effects on growth curve selection in shark age and growth studies.	Phylogenetic Relationships Among Teiid Lizards	
JK Byram	M Drymon	G Haenel	2:15 PM
Can tricaine affect your research?	Investigating Abundance and Distribution of Nearshore Sharks in the Northern Gulf of Mexico	Phylogeography Of Tree Lizards And Causes Of Population Structure In A Broadly Distributed Lizard	
B Brodman	D Bethea	JJ Zuniga-Vega	2:30 PM
Ecological Effects of an Herbicide on Tiger Salamanders and Their Prey	Distribution and abundance of early life stages of shark species in the panhandle of Florida, 2003-2006	Integrating Temporal Variation in the Population Dynamics of <i>Sceloporus grammicus</i> (Sauria: Phrynosomatidae)	
	J Romine	C Raxworthy	2:45 PM
	Growth estimates for the sandbar shark, <i>Carcharhinus plumbeus</i> , in the Northwest Atlantic through tag-recapture methods.	Species Delimitation Applications for Ecological Niche Modeling: An Empirical Evaluation Using <i>Phelsuma</i> Day Geckos	
BREAK	BREAK	BREAK	3:00 PM
N Halstead	J Carlson		MODERATOR
N Halstead	J Neer		3:30 PM
Anuran Calling Activity as an Indicator of Wetland Health: The Importance of Including Variation in Landscape Composition	Status Of The Large Coastal Shark Management Complex, Sandbar And Blacktip Sharks In US Atlantic Waters		
D Saenz	D Ha		3:45 PM
Amphibian Use Of Wildlife Ponds In The West Gulf Coastal Plain	Comparison of Shark Long-Line Catches in New Jersey Across Forty Years.		
S Egan	R Graham		4:00 PM
Multiple Scale Habitat Characteristics of Pond-Breeding Amphibians Across a Rural-Urban Gradient	Sharks and rays of Belize: results from assessments of abundance and distribution and fisher interviews		
S Price	J Ramírez-González		4:15 PM
Dynamic Landscapes and the Conservation of Stream Salamanders	Bioeconomic Importance of Elasmobranchs in the Artisanal Fishery of Punta Lobos, Baja California Sur		
G Perry	C Lowe		4:30 PM
Habitat Selection Of Boreal Chorus Frogs And Wood Frogs At Cape Churchill, Manitoba	Occurrence and Distribution of Stingray-related Injuries at Seal Beach, California		
	M Calosso		4:45 PM
	Elasmobranch Utilisation of the Waters Around South Caicos, Turks & Caicos Islands		