

2008 Joint Meeting (JMIH), Montreal, Canada  
**BREAK-OUT SESSIONS AT A GLANCE**  
**THURSDAY, 24 JULY, Afternoon Sessions**

<b>ROOM</b>	<b>Salon Drummond West &amp; Center</b>	<b>Salons A&amp;B</b>	<b>Salons 6&amp;7</b>
<b>SESSION/ SYMPOSIUM</b>	<b>Fish Ecology I</b>	<b>Herp Behavior</b>	<b>Fish Morphology &amp; Histology I</b>
<b>MODERATOR</b>	<b>J Knouft</b>	<b>M Whiting</b>	<b>M Dean</b>
<b>1:30 PM</b>		M Whiting	M Dean
		Can She-male Flat Lizards ( <i>Platysaurus broadleyi</i> ) use Multiple Signals to Deceive Male Rivals?	Micro-mechanics and material properties of the tessellated skeleton of cartilaginous fishes
<b>1:45 PM</b>	J Webb	M Paulissen	<b>K Conway - GDM</b>
	Is prey detection mediated by the widened lateral line canal system in the Lake Malawi cichlid, <i>Aulonocara hansbaenchi</i> ?	Variation In Spatial Learning Within And Between Two Species Of North American Skinks	The interopercular-preopercular articulation: a novel feature suggesting a close relationship between <i>Psilorhynchus</i> and labeonin cyprinids (Ostariophysii: Cypriniformes)
<b>2:00 PM</b>	I Dolinsek	M Venesky	D Adriaens
	Homing And Straying Following Experimental Translocation Of PIT Tagged Fishes	Effects of <i>Batrachochytrium dendrobatidis</i> infections on larval foraging performance	Biting for Blood: A Novel Jaw Mechanism in <i>Haematophagus Candirú</i> Catfish ( <i>Vandellia</i> sp.)
<b>2:15 PM</b>	Z Benzaken	K Summers	<b>J Bagley - GDM</b>
	The tale of the two shoals: How individual experience influences shoal behaviour	A Key Ecological Trait Drives the Evolution of Monogamy in a Peruvian Poison Frog	Taxonomy, population genetics, and body shape variation of Alabama spotted bass <i>Micropterus punctulatus henshalli</i>
<b>2:30 PM</b>	M Pyron	K Parris	L Chapman
	Fish Assemblages of Shallow Inner Bend Habitats of the Wabash River During 30 Years of Human Impact	Frogs Call at a Higher Pitch in Traffic Noise	Cross-domain Functional Ecological Tradeoffs: Developmental Response of the African Cichlid <i>Astatoreochromis alluaudi</i> to Trophic and Oxygen Gradients
<b>2:45 PM</b>	<b>K Thompson - EE</b>	D Forester	<b>N Gidmark - GDM</b>
	Mosquitofish as Biotic Resistance to Invasion: Predation on Two Nonindigenous Poeciliids	Revisiting The Territorial Imperative: The <i>Desmognathus</i> Paradox!	The transition from water to sand and its effects on undulatory locomotion in sand lances (Actinopterygii: Ammodytidae)
<b>3:00 PM</b>	<b>BREAK - Salle de Bal/Ballroom Foyer</b>		
<b>SESSION/ SYMPOSIUM</b>	<b>Fish Ecology I</b>	<b>Herp Behavior</b>	<b>Fish Morphology &amp; Histology I</b>
<b>MODERATOR</b>	<b>M Pyron</b>	<b>M Paulissen</b>	<b>T DeWitt</b>
<b>3:30 PM</b>	J Pritchett	<b>A Leibman - GDM</b>	C Anderson
	Substrate Variation in the Wabash River During Three Years: Effects on Fish Assemblages	A Seven Year Study of Natal Beach Contributions to a Loggerhead Sea Turtle ( <i>Caretta caretta</i> ) Feeding Assemblage	Egg Morphology of Species in the Tribe <i>Gobiosomatini</i> (Teleostei: Gobiidae) Using Scanning Electron Microscopy
<b>3:45 PM</b>	J Knouft	C Stayton	<b>C Kenaley - GDM</b>
	Using Fine Scale GIS Data To Quantify Microhabitat Use And Environmental Niche Characteristics Of Stream Fishes	Emydid Turtles Modulate Their Feeding Behavior In Response To Prey Type and Feeding Environment	Cast in a Different Light: Comparative Innervation and Homology of Bioluminescent Organs in the Lightfishes (Teleostei: Stomiiformes)
<b>4:00 PM</b>	J Beugly	M Grace	T DeWitt
	Fish and invertebrate assemblages in seasonal headwater streams	Time, Temperature And Depth Profiles For A Loggerhead Turtle ( <i>Caretta caretta</i> ) Captured With A Pelagic Longline	The Venn of Phenotype—Method to Fuse and Contrast Geometric and Traditional Morphometric Data, Exemplified with African Cichlids
<b>4:15 PM</b>	<b>B Erisman - EE</b>	J Refsnider	<b>N Schnell - GDM</b>
	Breakdown of the Size-Advantage: Evolutionary Changes in Mating Behavior Influence the Loss of Sex Change in Groupers	Nest-guarding in tuatara ( <i>Sphenodon punctatus</i> )	Occipito - Vertebral Gap: The Complex Structure of the Anterior Part of the Vertebral Column in Barbeled Dragonfishes (Stomiidae, Teleostei) and its Phylogenetic Implications
<b>4:30 PM</b>	T Berra	K Hansknecht	H Leysen
	Reproductive Anatomy, Gonad Development and Spawning Seasonality of Nurseryfish, Kurtus Gulliver (Perciformes: Kurtidae)	Stimulus Control of Predatory Luring by <i>Nerodia clarkii compressicauda</i>	Like Father, Like Son? Feeding Apparatus In Adult And Larval <i>Hippocampus reidi</i>
<b>4:45 PM</b>	K Loke	M Cardwell	<b>N Taft - GDM</b>
	Reproductive Parameters of California Sheephead across the Channel Islands	Preliminary Analysis of the Diet and Foraging Behavior of Mohave Rattlesnakes ( <i>Crotalus scutulatus</i> )	Functional morphology of the pectoral fins in a benthic fish, <i>Myoxocephalus octodecimspinosus</i> , the longhorn sculpin
<b>5:00 PM</b>			C Kaufman
			Divergent Selection Creates Parallel Population Differentiation and Phenotypic Plasticity—Livebearing Fishes Diversified across Predation Gradients
	<b>EE = Stoye Ecology &amp; Ethology</b>	<b>GDM = Stoye Genetics Development &amp; Morphology</b>	

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<b>Salons 4&amp;5</b>	<b>Jarry/Joyce</b>	<b>Kafka/Lamartine</b>	<b>ROOM</b>
<b>Herp Physiology/Bar Codes</b>	<b>AES Devil Ray Symposium</b>	<b>AES Student Papers I</b>	<b>SESSION/ SYMPOSIUM</b>
<b>C Watson</b>	<b>H Dewar</b>	<b>L Macesic</b>	<b>MODERATOR</b>
	Introduction		<b>1:30 PM</b>
<b>J Davis - PPE</b>	K Nishida		<b>1:45 PM</b>
Long-term Thermal Biology Of The Gila Monster In The Sonoran Desert: What A 500,000-Hour Thermal History Tells Us About Thermal Preference And Organism	Rearing of Mantas and Mobulids		
C Watson	S Uchida	J Walsh	<b>2:00 PM</b>
Thermal Physiology and Field Observations Support Microhabitat Diversification and Spatial Resource Partitioning Among <i>Plestiodon fasciatus</i> , <i>P. laticeps</i> , and	Captive Records of Manta Rays in Okinawa Churaumi Aquarium	A new species of angelshark, <i>Squatina</i> sp. nov., from the western North Pacific (Chondrichthyes: Squatiniformes, Squatinidae)	
C Anderson	J Verdugo	<b>N Wegner - G</b>	<b>2:15 PM</b>
Temperature Insensitivity Of Chameleon Tongue Projection: Maintaining Performance At Low Temperature Via An Elastic Power Amplifier	Captive Biology of the Pygmy Devil Ray ( <i>Mobula munkiana</i> ) at the Monterey Bay Aquarium	The Intrinsic Elasmobranch Gill Design Potentially Limits Gas Exchange and the Aerobic Performance of the Shortfin Mako, <i>Isurus oxyrinchus</i> , a Lamnid Shark	
<b>J Steffen - EE</b>	<b>L Sampson - G</b>	<b>C Mull - G</b>	<b>2:30 PM</b>
Light habitat influences dewlap conspicuousness of male and female Brown Anoles ( <i>Norops sagrei</i> )	Diet And Trophic Position Of <i>Mobula thurstoni</i> and <i>Mobula japanica</i> As Inferred From Stable Isotopes Of Nitrogen And Carbon	Using Ultrasound and Steroid Hormones to Determine Pregnancy in Seasonal Aggregations of Female Round Stingrays ( <i>Urobatis halleri</i> ) in a Coastal Estuary	
E Taylor	J Serrano-Lopez	<b>T Meredith - G</b>	<b>2:45 PM</b>
Kill 'Em All: The Amazing Reptilian Immune System	Reproduction Of Three Species From The Mobulidae Family In The SW Gulf Of California, Mexico	Olfactory Morphology and Physiology of Batoids	
<b>BREAK - Salle de Bal/Ballroom Foyer</b>			<b>3:00 PM</b>
<b>Herp Physiology/Bar Codes</b>	<b>AES Devil Ray Symposium</b>	<b>AES Student Papers I</b>	<b>SESSION/ SYMPOSIUM</b>
<b>R Hanner</b>	<b>H Dewar</b>	<b>L Macesic</b>	<b>MODERATOR</b>
R Hanner	G Stevens	<b>H Marshall - G</b>	<b>3:30 PM</b>
An Introduction to FISH-BOL, the Fish Barcode of Life Initiative	Reproductive Behaviour, Mating and Male Competition in Manta Rays ( <i>Manta birostris</i> ) in the Indian Ocean	Comparative Metabolic Biochemistry Of Shark Myocardial Tissue	
B Collette	S Canese	<b>J Correia - G</b>	<b>3:45 PM</b>
Barcoding Fishes of the Gulf of Maine	Giant Devil Ray Satellite Tagging In The Mediterranean Sea.	Elasmobranch Commercial Landings in Portugal from 1986 to 2006, with Virtual Population Analysis and a Method for Evaluating "Supply and Demand"	
C Baldwin	<b>T Clark - GI</b>	J Chang	<b>4:00 PM</b>
From Larvae To Lineages: Investigations Of Shorefish Diversity In The Tropical Atlantic	Movement Patterns and Foraging Ecology of the Manta Ray ( <i>Manta birostris</i> )	Stock assessment of the shortfin mako shark in the Northwest Pacific - a demographic approach	
J April	D Croll	J Thrasher	<b>4:15 PM</b>
Identifying Canadian freshwater fishes through DNA barcodes	Movement Patterns and Habitat Preferences of ten <i>Mobula japanica</i> Tagged in the Gulf of California, Baja California Sur, Mexico	Ontogenetic variation in effect of ration size on growth of <i>Scyliorhinus retifer</i>	
A Smith	R Rubin	<b>L Barnett - G</b>	<b>4:30 PM</b>
CO1 DNA barcoding amphibians: successes and failures	Dive Characteristics and Movement Patterns of Acoustic and Satellite-Tagged Manta Rays ( <i>Manta birostris</i> ) in the Revillagigedos Islands of Mexico	Maturity, Fecundity, and Reproductive Cycle of the Spotted Ratfish, <i>Hydrolagus collei</i> (Lay and Bennett, 1839)	
B Victor		<b>S Ainsley - G</b>	<b>4:45 PM</b>
Barcoding Reef Fish Larvae: Dispersal and Connectivity Studies and Identification of Rare Species		Age, Growth and Reproduction of the Bering skate, <i>Bathyraja interrupta</i> (Gill & Townsend, 1897), from Alaskan waters	
R Mayden			<b>5:00 PM</b>
DNA Barcoding and North American Freshwater Fishes			
<b>EE - Stoye Ecology &amp; Ethology</b> <b>PPE- Stoye Physiology &amp; Physiological Ecology</b>	<b>GI = Stoye General Ichthyology</b>	<b>G = Gruber</b>	

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**FRIDAY, 25 JULY, Morning Sessions**

ROOM	Salon Drummond West & Center	Salons A&B	Salons 6&7
<b>SESSION/ SYMPOSIUM</b>	<b>Biodiversity &amp; Agriculture I</b>	<b>Fish Systematics I</b>	<b>Northern Herps</b>
<b>MODERATOR</b>	<b>F McCormick</b>	<b>R Mooi</b>	<b>K Storey</b>
<b>8:00 AM</b>			K Storey
<b>8:15 AM</b>		R Mooi	Frozen and Alive: Canadian Herps in Winter
		Phylogenies without Synapomorphies – A Crisis in Systematics OR What We Don't Node – The Imperative of Character Evidence for Phylogeny Reconstruction	
<b>8:30 AM</b>	F McCormick	G Lu	J Litzgus
<b>8:45 AM</b>	Biodiversity and Agricultural Sustainability in North America	Mining phylogenetic markers from sequence databases for assembling the Euteleost Tree of Life (EToL)	To Breathe or Not to Breathe: Turtle Survival Strategies Under Ice
		R Broughton	
		Nucleotide Bias, Codon Usage, Selection, and Phylogenetic Analysis - Investigations Based on Hundreds of Fish Mitochondrial Genomes	
<b>9:00 AM</b>	W Sadinski	H Bart	D Green
<b>9:15 AM</b>	Historical and Emergent Stressors Acting on Amphibian Populations on Agricultural Landscapes: Assessing Risks, Effects, and Conservation Programs	Utility of the nuclear growth hormone gene for inferring phylogenetic relationships among Actinopterygian fishes	How Amphibians Conquered the North
		M Westneat	
		Phylogenetics and Bioinformatics of Fishes and Herps: Web Tools for Taxonomy and Evolution in the Encyclopedia of Life	
<b>9:30 AM</b>	<b>BREAK - Salle de Bal/Ballroom</b>		
<b>SESSION/ SYMPOSIUM</b>	<b>Biodiversity &amp; Agriculture I</b>	<b>Fish Systematics I</b>	<b>Northern Herps</b>
<b>MODERATOR</b>	<b>F McCormick</b>	<b>L Page</b>	<b>K Storey</b>
<b>10:00 AM</b>	K Stammler	M Sabaj Pérez	A Krivoruchko
<b>10:15 AM</b>	Fish Assemblage And Water Chemistry Responses Across A Gradient Of Headwater Stream Enclosures	Revision of Recent Doras Lacepède, 1803 (Siluriformes: Doradidae) with descriptions of three new species	Tales from the Turtle Pond: Molecular Mechanisms of Anoxia Tolerance in Overwintering Turtles
		M Littmann	
<b>10:30 AM</b>	M Pearson	J Friel	G Blouin-Demers
<b>10:45 AM</b>	The Use of Randomized-probabilistic Survey Data to Assess the Effects of Agriculture on Fish Assemblages and Biodiversity in the Mid-Continent Great Rivers, USA	Biodiversity and Systematics of African Sucker-mouthed Catfishes (Mochokidae: Chiloglanidinae)	Habitat Use Is Linked To Components Of Fitness Through The Temperature-Dependence Of Performance In Ratsnakes And Map Turtles
		R Blanton-Johansen	
<b>11:00 AM</b>	R Relyea	Phylogeography and Systematics of the Slender Madtom, Noturus exilis	R Brooks
<b>11:15 AM</b>	Taking a community-level approach to ecotoxicology: Insights from amphibians	Taxonomy of the catfish genus Amphilius (Teleostei: Amphiliidae) in Kenya and eastern Tanzania.	Is Global Warming Creating Giant Canadian Turtle Hatchlings And Reducing Fitness?
		R Reis	
<b>11:30 AM</b>	J Rohr	A morphology-based phylogeny of the neolecostomine armored catfishes	O Aguilar
<b>11:45 AM</b>	Agrochemicals Increase Trematode Infections In A Declining Amphibian Species	Molecular systematics and morphological variation in mountain catfishes (Amphiliidae, Amphilius) in Guinea, West Africa.	Frog Life Below Zero: Oxygen And Antioxidants
		T Carvalho	P Baker
		Taxonomic Review of the Species of Hisonotus (Siluriformes: Loricaridae) From the Rio Uruguay Basin and the Laguna dos Patos System	Yolk And Integumentary Carotenoids Are Not Mobilized To Supplement Antioxidant Capacity Of Hatching Western Painted Turtles (Chrysemys picta bellii) During Hypoxia
<b>12:00 PM</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>

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<b>SSAR - Seibert</b>	<b>AES Devil Ray Symposium II</b>	<b>AES Student Papers II</b>	<b>SESSION/ SYMPOSIUM</b>
<b>Seigel</b>	<b>J O'Sullivan</b>	<b>L Ferry-Graham</b>	<b>MODERATOR</b>
<b>M Setiadi - S/E</b>		<b>M Blanco - Parra - G</b>	<b>8:00 AM</b>
Areas of Amphibian and Reptile Genetic Endemism on the island of Sulawesi & Halmahera, Indonesia		Reproductive biology of the banded guitarfish, <i>Zapteryx exasperata</i> , from the Gulf of California México	
<b>E Timpe - S/E</b>	R Graham	<b>J DiBattista - G</b>	<b>8:15 AM</b>
Exploring the Faunal Connection between the Ozark Plateau and the Appalachian Mountains: A Phylogeographic Study of the Long-tailed Salamanders (Plethodontidae: Splerpininae: Eurycea)	Site Fidelity and Movements of Juvenile Manta Rays in the Gulf of Mexico	Estimating Heritability of Life-history Traits in a Natural Population of Lemon Sharks ( <i>Negaprion brevirostris</i> ) Using Long-term Pedigree Data	
<b>J Ng - S/E</b>	H Dewar	<b>S Plank - G</b>	<b>8:30 AM</b>
Dewlap color and reproductive isolation in <i>Anolis distichus</i>	Movements and Site Fidelity of Manta birostris in the Komodo Marine Park, Indonesia	The Population Genetic Structure of the Round Stingray in Southern California	
<b>E Asare - S/E</b>	F Mcgregor	<b>W Bublely - G</b>	<b>8:45 AM</b>
Phylogenetic relationships among Australian agamid lizards using nuclear and mitochondrial DNA data	Foraging Ecology and Population Dynamics of the Manta ray, <i>Manta birostris</i> in Lagoonal Waters of Ningaloo Reef, Western Australia.	Utilizing DNA Microsatellites to Study Population Structure of Spiny Dogfish, <i>Squalus acanthias</i> , in the Western North Atlantic	
<b>S Graham - S/E</b>	A Kitchen-Wheeler	N Willett	<b>9:00 AM</b>
A Test of the Ecomorph Hypothesis: the Phylogenetics and Biogeography of <i>Eurycea aquatica</i>	Migration Behaviour of the Giant Manta ( <i>Manta birostris</i> ) in the Central Maldives Atolls	Not All Nursery Areas Are Created Equal; The Importance Of Small Scale Nursery Habitat For Delaware Bay Sandbar Sharks	
<b>D Chambers - P/M</b>	R Anderson	M McDonough	<b>9:15 AM</b>
Water Quality Parameters Can Influence Baseline Corticosterone Levels in Larval Amphibians	Manta Rays, <i>Manta birostris</i> , in the Maldives: Seasonal Distribution and Economic Value	Comparison of the Elasmobranch Fauna in Two South Carolina Estuaries, Differing in the Degree of Human Impact	
<b>BREAK - Salle de Bal/Ballroom</b>			<b>9:30 AM</b>
<b>SSAR - Seibert</b>	<b>AES Devil Ray Symposium II</b>	<b>AES Student Papers II</b>	<b>SESSION / SYMPOSIUM</b>
<b>Seigel</b>	<b>J O'Sullivan</b>	<b>L Ferry-Graham</b>	<b>MODERATOR</b>
<b>F Brem - E</b>	M Deakos	K Maxwell	<b>10:00 AM</b>
Environmental transmission: a mechanism of disease-induced amphibian extinctions	Demographics of an Island-Associated Manta Ray ( <i>Manta birostris</i> ) Population in Maui, Hawaii, and Implications for Management	Distribution and movements of neonate Atlantic sharpnose sharks, <i>Rhizoprionodon terraenovae</i> , in a South Carolina estuary and nearby coastal ocean waters	
<b>J Cohen - E</b>	L Compagno	<b>S Kessel - G</b>	<b>10:15 AM</b>
The Impact of Plant Traits on Larval Amphibian Development	Manta systematics and nomenclature	Seasonal residency and migration of mature lemon sharks ( <i>Megaprion brevirostris</i> ) off the southeast Florida coast	
<b>A Barreca - E</b>	T Kashiwagi	<b>T Guttridge - G</b>	<b>10:30 AM</b>
Seasonal Habitat Use And Movement Of Cascades Frogs ( <i>Rana cascadae</i> ) In Washington	DNA evidence for cryptic species boundaries within <i>Manta birostris</i> ?	Social, size and species group living preferences in juvenile lemon sharks, <i>Negaprion brevirostris</i>	
<b>K Muldoon - E</b>	A Marshall	<b>J Vaudo - G</b>	<b>10:45 AM</b>
Post-Emerging Behavior of Hatchling Diamondback Terrapins ( <i>Malaclemys terrapin terrapin</i> ) at Jamaica Bay Wildlife Refuge, New York	Redescription of two species of manta rays with resurrection of <i>Manta hamiltoni</i> to species level	Factors Influencing The Abundance Of Sympatric Ray Species Over A Shallow Sandflat In Shark Bay, Western Australia	
<b>S Goodyear - E</b>	R Aston	<b>K Jirik - G</b>	<b>11:00 AM</b>
Spatial-Temporal Habitat Heterogeneity Facilitates Species Coexistence of Two Agamid Lizards in the Great Victoria Desert, Western Australia	Framework for the Establishment of a Global Conservation Program for Manta and Modula Rays	Influence of Temperature on the Habitat Use and Movement Patterns of Round Stingrays in a Southern California Estuary	
<b>A Branske - E</b>	P Charvet-Almeida	<b>Y Papastamatiou - G</b>	<b>11:15 AM</b>
The cost of being sexy: Effect of host lizard sex on ectoparasite feeding success	Diversity and Conservation of Manta and Mobulid Rays from Brazilian Waters, Southwestern Atlantic	Movements and foraging success of blacktip reef sharks, <i>Carcharhinus melanopterus</i> , at Palmyra atoll: a predator dominated ecosystem	
<b>J Willson - E</b>	W White	<b>D Cartamil - G</b>	<b>11:30 AM</b>
Effects of Prey Type on Prey Handling, Digestive Metabolism, and Post-prandial Locomotor Performance in the Banded Watersnake, <i>Nerodia fasciata</i>	The Bycatch Fishery for Mobulid Rays in Eastern Indonesia	Movements and Nursery Habitat of Juvenile Thresher Shark ( <i>Alopias vulpinus</i> ) in the Southern California Bight	
	Discussion	B Flammang	<b>11:45 AM</b>
		Morphological and functional investigation of the radialis muscle in shark tails	
<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>12:00 PM</b>
S/E = Systemat/Evol P/M = Physiol/Morph	E = Ecology	G = Gruber	

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<b>SESSION/ SYMPOSIUM</b>	<b>Herp Systematics</b>	<b>Fish Systematics II</b>	<b>Reptile Ecology</b>
<b>MODERATOR</b>	<b>B Crother</b>	<b>B Sidlauskas</b>	<b>M Pilgrim</b>
<b>1:30 PM</b>		B Sidlauskas	M Pilgrim
		Tempo and Mode of Morphological Diversification in the Anostomoidea (Characiformes): A Phylomorphospace Approach	Assessing the Effect of Habitat Heterogeneity on Among-Population Variation in the Isotopic Composition of Pigmy Rattlesnake Scale Tissue
<b>1:45 PM</b>	T Doan	K Tang	<b>D Wasko - EE</b>
	Can Reptile Species Be Distinguished with Solely Morphometric Characters?	Phylogenetic Relationships of the Cyprinid Subfamily Rasborinae (Order Cypriniformes) Inferred from Mitochondrial and Nuclear Sequence Data	Ecological Effects of Food Supplementation in Fer-de-Lance ( <i>Bothrops asper</i> )
<b>2:00 PM</b>	<b>D Scantlebury - GDM</b>	A Boron	<b>M Walters - EE</b>
	A Time-Calibrated Phylogeny for Anolis	Classical And Molecular Cytogenetics Of The Species From Superfamily Cobitoidea (Teleostei, Cypriniformes) – A Review	Spatial Ecology of Male Northern Water Snakes, <i>Nerodia sipedon sipedon</i> , in the Beaver Archipelago
<b>2:15 PM</b>	J Grismer	M Coburn	G Carfagno
	Preliminary phylogeography of <i>Leiolepis belliana</i> and <i>Leiolepis reevesii</i>	Cypriniformes Tree of Life: Postcranial Characters in Cobitoid Fishes	Latitudinal Variation In Behavioral Thermoregulation By Ratsnakes ( <i>Elaphe obsoleta</i> )
<b>2:30 PM</b>	C Ingram	P Harris	T LaDuc
	Molecular systematics of the Chamaeleonidae: a balanced view from Africa and Madagascar	Cypriniformes Tree of Life: Phylogenetic relationships of the Catostomidae, with emphasis on the Catostominae, based on mitochondrial and nuclear gene sequences	Demographics of an urban water snake population: Mark-recapture of <i>Nerodia erythrogaster</i> on The University of Texas at Austin campus
<b>2:45 PM</b>	T Jackman	G Orti	A Savitzky
	Phylogenetic affinities of the Namaqua day gecko, <i>Phelsuma ocelatta</i>	Phylogeny and time-frame for the diversification of sticklebacks based on new fossil evidence and nuclear gene sequences	Variation in Bufadienolide-Based Chemical Defenses of the Natricine Snake, <i>Rhabdophis tigrinus</i> , in Japan
<b>3:00 PM</b>	J Schulte	P Ciccotto	T Schwaner
	Phylogenetic Analysis of South American Liolaemini Lizards Using Nuclear and Mitochondrial DNA	Descriptions of Five New Species in the Genus <i>Metriaclima</i> (Teleostei: Cichlidae) from Lake Malaŵi, Africa	Stability, Fragility and Resilience: Demography and Life History of Mt. Chappell Island Tiger Snakes
<b>3:15 PM</b>	P Wood	A Konings	P Cochran
	A preliminary phylogeny of the genus <i>Acanthosaura</i> Gray 1931, inferred from mitochondrial and nuclear DNA	Review of <i>Melanochromis</i> , a Cichlid Genus of Lake Malaŵi, with the Description of Three New Species	Temporal Use of Rock Ledge Habitat by Six-lined Racerunners ( <i>Aspidoscelis sexlineata</i> ) on Southeast Minnesota Bluffs
<b>3:30 PM</b>	A Bauer	N Lang	R Burke
	Phylogeny of the Gekkotan Lizards of the World	Molecular Systematics of the Agonostomatine Mulletts (Teleostei: Mugilidae)	Eastern Fence Lizards Clean the Agent of Lyme borreliosis from Blacklegged Ticks
<b>3:45 PM</b>	B Crother	<b>R Arnold - GI</b>	Y Dubois
	On The SSAR Names List	Resolving the Phylogeny of Frogfishes (Lophiiformes: Antennariidae): Evidence from mtDNA and Ovarian Morphology	Thermoregulation And Habitat Selection In Wood Turtles ( <i>Glyptemys insculpta</i> ): Chasing The Sun Slowly
<b>4:00 PM</b>	<b>POSTER SESSION I</b> <b>Salle de Bal/Ballroom</b>		<b>HL Business Meeting</b> <b>(6 - 8 p.m.)</b>
<b>4:30 PM</b>			
<b>5:00 PM</b>			
<b>5:30 PM</b>			
<b>6:00 PM</b>			
	<b>GDM = Stoye Genetics Development &amp; Morphology</b>	<b>GI = Stoye General Ichthyology</b> <b>EE = Stoye Ecology &amp; Ethology</b>	

2008 Joint Meeting (JMIH), Montreal, Canada  
**BREAK-OUT SESSIONS AT A GLANCE**  
**FRIDAY, 25 JULY, Afternoon Sessions**

<i>Salons 4&amp;5</i>	<i>Jarry/Joyce</i>	<i>Kafka/Lamartine</i>	<i>ROOM</i>
<b>SSAR - Seibert</b>	<b>AES Functional Morphology</b>	<b>AES Student Papers III</b>	<b>SESSION/ SYMPOSIUM</b>
<b>M Parris</b>	<b>M Dean</b>	<b>D Ebert</b>	<b>MODERATOR</b>
<b>B Todd - C</b>	E Blevins	<b>A Maia - G</b>	<b>1:30 PM</b>
Interspecific effects of upland forest clearing on amphibian migrations: implications for habitat and population connectivity	Stingray Swimming: Three-dimensional Kinematics of Pectoral Fin Locomotion	3D Dorsal Fin Function in Spiny Dogfish during Steady Swimming	
<b>D Hocking - C</b>	L Macesic	<b>M Porter - G</b>	<b>1:45 PM</b>
Initial Effects of Experimental Forest Management on a Terrestrial, Woodland Salamander in Missouri	Pelvic Fin Locomotion In Benthic Batoids	Spines of swimming sharks: kinematics and morphology from five species	
<b>K Greenwald - C</b>	M Habegger	<b>L Jordan - G</b>	<b>2:00 PM</b>
Simple landcover models reliably predict genetic isolation of salamanders in a fragmented landscape	Theoretical Calculations of Feeding Biomechanics in Bull Sharks over Ontogeny	Functional Consequences of Structural differences in Stingray Sensory Systems (Elasmobranchii: Batoidea)	
<b>S Emel - C</b>	D Huber	<b>B Harahush - G</b>	<b>2:15 PM</b>
Conservation Genetic Analysis of Alternate Life History Modes in Eurycea tynerensis	Chondrichthyan feeding biomechanics: Intra- and inter-specific scaling patterns	The Development of Visual Function in the Embryonic Brown Banded Bamboo Shark, <i>Chiloscyllium punctatum</i> (Elasmobranchii)	
<b>J Germano - C</b>	K Yopak	<b>L Whitenack - G</b>	<b>2:30 PM</b>
Anuran sex identification using hormone metabolites in urine	A Neural Basis for a Shark's Motor Repertoire? Quantifying the Complexity of the Cerebellum using Magnetic Resonance Imaging (MRI)	Correlated Evolution of Selachian Tooth Morphology, Diet, and Ecology	
<b>J Feinberg - C</b>	S Kajjura	<b>S Gerry - G</b>	<b>2:45 PM</b>
Silence of the frogs: Investigating the disappearance of the leopard frog ( <i>Rana sphenoccephala</i> ) from Long Island, New York	Visual Fields in Carcharhinid and Sphymid Sharks	A Comparison of Feeding Mechanics in a Generalist and a Specialist Shark Species	
<b>D Pike - C</b>	L Ferry-Graham	<b>W Dowd - G</b>	<b>3:00 PM</b>
Landscape-scale Reptile Conservation: Experimentally Manipulating Canopy Cover to Restore a Reptile Assemblage	Under pressure: ventilation and feeding in the white-spotted ratfish, <i>Hydrolagus collei</i> (Chimaeroidea)	Proteomic Analysis of Mechanisms of Anoxia Tolerance and Hypoxic Preconditioning in the Epaulette Shark	
<b>A Grosse - C</b>			<b>3:15 PM</b>
Assessment of the Effects of Roads and Crabbing Pressures on Diamondback Terrapins on Georgia's Coast			
<b>G Miller - C</b>			<b>3:30 PM</b>
Home range size and refuge use of Florida pine snakes, <i>Pituophis melanoleucus mugitus</i> , in a southwest Georgia pine forest.			
			<b>3:45 PM</b>
			<b>4:00 PM</b>
			<b>4:30 PM</b>
			<b>5:00 PM</b>
			<b>5:30 PM</b>
			<b>6:00 PM</b>
	<b>POSTER SESSION I Salle de Bal/Ballroom</b>		
<b>C = Conservation</b>	<b>AES Devil Ray Symposium Discussion 6-8 p.m.</b>		
		<b>G = Gruber</b>	

2008 Joint Meeting (JMIH), Montreal, Canada  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SATURDAY, 26 JULY, Morning Sessions**

ROOM	Salon Drummond West & Center	Salons A&B	Salons 6&7
SESSION/ SYMPOSIUM	Biodiversity & Agriculture II	General Ichthyology I	Fish Morphology & Histology II
MODERATOR	F McCormick	N Lujan	N Konow
8:00 AM		J Orr	
		New snailfishes of the genera Careproctus and Paraliparis (Liparidae) from the North Pacific Ocean, Bering Sea, and Sea of Japan	
8:15 AM		F Ublein	N Konow
		High diversity in goatfishes (Mullidae) of the Western Indian Ocean: two new species of the genus Upeneus	The Evolution of Raking Prey-processing in Teleosts Fishes
8:30 AM	K McCoy	M Sabaj Pérez	C Gintof
		Piscatorial travelogue of the 2006 Expedition to Mongolia	Cyclicality and stereotypy in teleosts chewing compared with tetrapods
8:45 AM	Agriculture Alters Gonadal Form And Function In Bufo marinus	A Romero	A Summers
		The hypogean fishes of China	Ontogeny of the fine-scale morphology of the tessellated skeleton of cartilaginous fishes
9:00 AM	B Shaffer	E Standen - GI	K Mara
		How Fins Contribute to Stability and Manoeuvrability in Fishes	Constructional Constraints In Hammerhead Sharks: Shape Change And Space Utilization Within The Cephalofoil.
9:15 AM	Managing amphibian and reptile biodiversity in California's Great Central Valley	I Mitrofanov	M Paig-Tran
		Shape Variation between Contemporary and Archived Cichlids from Lake Nabugabo, Uganda: Evidence for Rapid Morphological Change	A multivariate approach to understanding the mechanics behind ram suspension feeding
9:30 AM	<b>BREAK - Salle de Bal/Ballroom</b>		
SESSION/ SYMPOSIUM	Biodiversity & Agriculture II	General Ichthyology I	
MODERATOR	F McCormick	L Horth	
10:00 AM	P Smiley	N Lujan	
		Wood-eaters, algivores, and insect tweezers: variation in jaw mechanics within assemblages of Neotropical surface-scraping catfish	
10:15 AM	Effects of Conservation Practices on Fishes, Amphibians, and Reptiles within Agricultural Streams and Wetlands	T Geerinckx	
		They Eat With It, Breathe With It, And Hang On With It: A Kinematic Analysis Of The Use Of The Sucker Mouth in South American Catfishes (Loricariidae, Siluriformes)	
10:30 AM	N Mandrak	M Davis	
		A geometric morphometric study of photophore patterns in lanternfishes: species recognition, mate recognition, neither, or both? (Scopelomorpha: Myctophidae)	
10:45 AM	Protecting Fishes and Fish Habitat in Agricultural Drains in Canada	J Love	
		Geometric Morphological Differences Distinguish Populations of Scup, Stenotomus chrysops Linnaeus in the Northwestern Atlantic Ocean	
11:00 AM	G Bentrup	M Douglas	
		Phylogeography And Population Structure Of Rio Grande Chub, Gila pandora	
11:15 AM	Biodiversity in Agricultural Landscapes: Creating a Shared Vision	A Hendry	
		Genetic Divergence in Life History, Body Shape, Swimming Performance, and Mating Behaviour Between Lake and Stream Stickleback.	
11:30 AM	R Goforth	L Horth	
		Temperature, a Sex-Linked Allele, and autosomal modifier(s) Control The Expression of Melanism in Male Mosquitofish (Gambusia holbrooki)	
11:45 AM	Stream community responses to riparian recovery in an agricultural watershed	T Krabbenhoft	
		Cross-species microarray hybridizations in cyprinids: extending genomic resources to non-model organisms.	
12:00 PM	LUNCH	LUNCH	LUNCH
		GI = Stoye General Ichthyology	

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**BREAK-OUT SESSIONS AT A GLANCE**  
**SATURDAY, 26 JULY, Morning Sessions**

Salons 4&5	Jarry/Joyce	Kafka/Lamartine	ROOM
<b>Herp Biogeography</b>	<b>AES Habitat &amp; Movement I</b>	<b>AES Age &amp; Growth/Reproduction</b>	<b>SESSION/ SYMPOSIUM</b>
<b>G Huxel</b>	<b>K Goldman</b>	<b>S Campana</b>	<b>MODERATOR</b>
	F Hogan		<b>8:00 AM</b>
	Seasonal temperature habitats of skate species off the Northeast Coast of the U.S.		
	C Simpfendorfer	I Baremore	<b>8:15 AM</b>
	Life in a Macrotidal World: Movements of the Dwarf Sawfish ( <i>Pristis clavata</i> ) in Northern Western Australia	Age determination of the Atlantic angel shark: what does it all mean?	
G Huxel	D Grubbs	J Kneebone	<b>8:30 AM</b>
Box turtles in Arkansas	A Comparison of Diel Vertical Movements of Bluntnose Sixgill Sharks ( <i>Hexanchus griseus</i> ) in the Atlantic and Pacific Oceans	Using bomb radiocarbon analyses to validate age and growth estimates for the tiger shark, <i>Galeocerdo cuvier</i> , in the western North Atlantic	
R Chabarria	K Gledhill	A Cicia	<b>8:45 AM</b>
Phylogeography Of <i>Necturus beyeri</i> (Amphibia:Proteidae)	Highly Site Specific Philopatry displayed by Female Lemon Sharks ( <i>Negaprion brevirostris</i> )	Age, growth, and maturity of the little skate, <i>Leucoraja erinacea</i> , from the Western Gulf of Maine, USA	
D Rabosky	D Chapman	D Haas	<b>9:00 AM</b>
Explosive Diversification of Australian Desert Skinks	"Homebodies": Extended Natal Philopatry in Immature Lemon Sharks	Comparative Life History Characteristics of the Aleutian skate, <i>Bathyraja aleutica</i> , in Two Alaskan Ecosystems	
A Talaba	J Sulikowski	R Coelho	<b>9:15 AM</b>
Multi-locus Comparative Phylogeography of Two Australian Arid-zone Skink Complexes	The Potential Use of Pop-up Archival Transmitting (PAT) Tags to Examine Habitat Use and Migration Patterns of Spiny Dogfish ( <i>Squalus acanthias</i> ) in the Western Gulf of Maine	Comparing Biological Parameters of the NE Atlantic and Mediterranean Populations of the Deep Water Lantern Shark, <i>Etmopterus spinax</i>	
<b>BREAK - Salle de Bal/Ballroom</b>			<b>9:30 AM</b>
<b>Conservation in Canada</b>	<b>AES Habitat &amp; Movement I</b>	<b>AES Reproduction</b>	<b>SESSION/ SYMPOSIUM</b>
<b>D Green</b>	<b>M Bennett</b>	<b>A Peircy</b>	<b>MODERATOR</b>
<b>K Beauclerc - CARC</b>	M Calosso	C Luer	<b>10:00 AM</b>
Mitochondrial evidence of Pleistocene range fluctuations in Blanchard's cricket frog ( <i>Acris crepitans blanchardi</i> ) across the mid-western United States	Juvenile Lemon Sharks ( <i>Negaprion brevirostris</i> ) Around South Caicos, Turks & Caicos Islands: A Nursery Without Neonates?	Developmental Anomalies in Batoid Fishes	
<b>A Bennett - CARC</b>	J Moore	J Colonello	<b>10:15 AM</b>
The Effects of Habitat Barriers on Movements and Gene Flow in Northern Map Turtles ( <i>Graptemys geographica</i> )	Patterns of Habitat Use and Residency for Sand Tiger Sharks ( <i>Carcharias taurus</i> ) in Delaware Bay	Reproductive biology and gonadal cycle of the lesser guitarfish, <i>Zapteryx brevirostris</i> , from the coastal Southwest Atlantic	
<b>C Edge - CARC</b>	R Hueter	G Rincon	<b>10:30 AM</b>
A Comparative Study of Habitat Selection by Blanding's Turtles ( <i>Emydoidea blandingii</i> ) in Natural and Altered Landscapes.	Deep Diving and Distant Travels: Vertical and Horizontal Movements of Whale Sharks ( <i>Rhincodon typus</i> ) Tagged off Quintana Roo, Mexico	Reproduction of the Smooth Back River Stingray <i>Potamotrygon orbignyi</i> in the Araguaia/Tocantins Basin, Brazil	
<b>V Kilburn - CARC</b>	M Potenski	J Castro	<b>10:45 AM</b>
Persistence and Prevalence of the Enzootic Amphibian Pathogen, <i>Batrachochytrium dendrobatidis</i> , in Panama	Investigation of an Aggregation of Whale Sharks ( <i>Rhincodon typus</i> ) at Mafia Island, Tanzania, Utilizing Placard Identification and Pop-Up Archival Satellite Tags	The reproductive cycles of North American sharks	
<b>M Rasmussen - CARC</b>	S Jorgensen	F Hazin	<b>11:00 AM</b>
Maternal Investment in Clutch Size and Egg Size in the Spotted Turtle, <i>Clemmys guttata</i>	White shark ( <i>Charcharodon charcharias</i> ) Homing and Fidelity in the Eastern Pacific	Reproductive biology of the crocodile shark, <i>Pseudocarcharias kamoharai</i> (Matsubara, 1936), from the southwestern Atlantic Ocean	
<b>M Prairie - CARC</b>	G Skomal	J Tyminski	<b>11:15 AM</b>
Predicting recruitment success in amphibians in a forest remnant in Southern Québec	Habitat Utilization and Movement Patterns of Juvenile Porbeagle Sharks ( <i>Lamna nasus</i> ) in the Western North Atlantic	Androgen Receptors In The Bonnethead Shark ( <i>Sphyrna tiburo</i> ): A Means To Understanding The Functional Role Of Steroids In The Male Reproductive Tract	
<b>J Roy - CARC</b>	K Weng	E Heist	<b>11:30 AM</b>
Genetic And Morphologic Analysis Of A Hybrid Zone In Toads, <i>Bufo americanus</i> and <i>B. hemiophysys</i> , In Southeastern Manitoba	Migration and Habitat Use of Blue Sharks in the Eastern North Pacific Ocean	Why is there multiple paternity of nurse shark?	
<b>A Whiting - CARC</b>	L Howey	T Pratt	<b>11:45 AM</b>
The effect of wood frog tadpole presence on boreal chorus frog growth and metamorphosis	Movement patterns and environmental preferences of blue sharks ( <i>Prionace glauca</i> ) determined by satellite archival tagging	Evidence For Behavioral Thermoregulation After Mating By Wild-living Adult Female Nurse Sharks, <i>Ginglymostoma cirratum</i>	
<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>12:00 PM</b>
<b>CARC = Best Student Paper</b>			



2008 Joint Meeting (JMIH), Montreal, Canada  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SATURDAY, 26 JULY, Afternoon Sessions**

ROOM	Salon Drummond West & Center	Salons A&B	Salons 6&7
SESSION/ SYMPOSIUM	Fish Systematics III	Herp Genetics, Development & Morphology	General Ichthyology II
MODERATOR	D Stewart	M White	T Munroe
1:30 PM		C Beachy	P Konstantinidis - GI
		Effect Of Thyroid Hormone Concentration On The Transcriptional Response Underlying Induced Metamorphosis In The Mexican Axolotl (Ambystoma)	The Importance of Ontogenetic Studies: New Insights Into The Caudal Fin Skeleton of Tetraodontiformes (Teleostei)
1:45 PM	S Welsh	F McLean	D Smith
	Crystallaria cincotta, a new species of darter (Teleostei: Percidae) from the Elk River of the Ohio River drainage, West Virginia	The evolutionary development of limb length in the Australian agamids: an examination of structural and regulatory change	The Northern-Most Cave Adapted Fish in the World: Discovery and population genetics
2:00 PM	C Thacker	R Bonett	D Lumbantobing - GI
	Phylogeny and Evolution of the Shrimp/Goby Mutualism in the Pacific	Does Paedomorphosis Drive Morphological Divergence in the Oklahoma Salamander?	Secondary Sex Characters Reveal Cryptic Species in the Genus Rasbora (Teleostei; Cyprinidae) in Northwestern Sumatra
2:15 PM	D Stewart	R Bruce	I Tibbetts
	A morphometric analysis of Guyanese Arapaima and status of Arapaima arapaima	Size and cycle in Desmognathus salamanders: proximate contributions to miniaturization in D. aeneus and D. wrighti	Phylogenetic Signals From The Guts Of Stomachless Piscivores (Belontiidae: Belontiiformes)
2:30 PM	J Stauffer	M White	D Roje - GI
	Pseudotropheus elegans: A Junior Synonym of Pseudotropheus livingstonii	Do Snakes Have Predetermined Germ Cells?	Phylogenetic Systematics of the Flatfish Family Pleuronectidae (Percomorpha: Pleuronectiformes)
2:45 PM	C Pavanelli	N Filoramo	T Munroe
	Revision of the Neotropical genus Saccodon Kner (Ostariophysi, Characiformes, Parodontidae)	The Mechanism of Chemical Delivery to the Vomeronasal Organs in Squamate Reptiles	Species of Soleichthys (Pleuronectiformes: Soleidae) Occurring In Marine Waters Off Queensland, Australia
3:00 PM	J Olney	T Kleinteich	M Friedman - GI
	A larva of Grammicolepis brachiusculus (Zeiformes, Grammicolepididae)	Jaw closing mechanics in caecilians: biting with two joints and a hyobranchial muscle	Primitive pleuronectiform conditions and the evolutionary origin of flatfish asymmetry: new insights from old fossils
3:15 PM	G Johnson	N Kley	J Winkler
	Ontogeny and homology of the sucking disc in remoras (Teleostei: Perciformes: Echeneidae)	The Effects of Skull Morphology on Feeding Performance in Snakes: A Preliminary Study	Sexual Size Dimorphism And Body Size Allometry In A European Pipefish Species
3:30 PM	T Grünbaum	C Spencer	
	Ontogeny, variation and homology in salmonid caudal skeleton	Geometric Morphometric Analysis of Head and Horn Morphology of the Coast Horned Lizard Species Complex, Phrynosoma coronatum	
3:45 PM	J Birindelli	S Trauth	
	Morphological diversity of gas bladders in thorny catfishes (Siluriformes: Doradidae)	The Structure of Rathke's Glands in the Softshell Turtles Apalone mutica and A. spinifera	
4:00 PM	<b>SSAR Business Meeting (4 - 6 p.m.)</b>	<b>POSTER SESSION II Salle de Bal/Ballroom</b>	
4:30 PM			
5:00 PM			
5:30 PM			
6:00 PM			
			GI = Stoye General Ichthyology

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**SATURDAY, 26 JULY, Afternoon Sessions**

<i>Salons 4&amp;5</i>	<i>Jarry/Joyce</i>	<i>Kafka/Lamartine</i>	<i>ROOM</i>
<b>Amphibian Conservation</b>	<b>AES Systematics &amp; Biogeography I</b>	<b>AES Food &amp; Feeding</b>	<b>SESSION/ SYMPOSIUM</b>
<b>M Donnelly</b>	<b>G Burgess</b>	<b>E Cortes</b>	<b>MODERATOR</b>
	M Francis	D Bethea	<b>1:30 PM</b>
	Distribution and Assemblages of New Zealand Demersal Chondrichthyans	Diet of the roundel skate, <i>Raja texana</i> , from the northern Gulf of Mexico	
B Buchanan	N Aschliman	C Lowe	<b>1:45 PM</b>
Artificial Night Lighting Affects Anuran Larval Growth And Development	Phylogeny of Skates, Rays, and Allies (Chondrichthyes: Batoidea) Using RAG-1 and Complete Mitochondrial Genomes: Preliminary Results	Occurrence of cookie cutter shark bites on pelagic fishes landed in the Hawaii long-line fishery	
A Angulo	V Faria	K Nakaya	<b>2:00 PM</b>
Appraising Neotropical Amphibian Diversity: Current Trends and Inferences from the Global Amphibian Assessment	The status of <i>Pristis pristis</i> (Chondrichthyes, Pristiformes) reconsidered	Feeding Behavior of the Megamouth Shark, <i>Megachasma pelagios</i> (Lamniformes, Megachasmidae)	
M Donnelly	K Feldheim	D McElroy	<b>2:15 PM</b>
Decline and Conservation of Amphibians in Central America	Conservation Genetics of the Endangered Smalltooth Sawfish ( <i>Pristis pectinata</i> )	Monthly Changes In Diet And Foraging Patterns For Two Shark Species In A Temperate Estuary: Evidence For Improved Hunting Capacity?	
J Watling	A Le Port	J Ciaccio	<b>2:30 PM</b>
Macroecological Patterns At The Mesoscale: Distribution, Abundance, And Body Size Of Amphibians And Reptiles On Forest Islands In Northeastern Bolivia	Population Genetics Of The Short-tailed Stingray, <i>Dasyatis brevicaudata</i>	Older and Wiser: The effects of maturation and experience on the predatory efficiency of whitespotted bamboosharks	
B Brodman	S Corrigan	J Stead	<b>2:45 PM</b>
A 14-year study of amphibian populations and metacommunities in rural northwest Indiana	Molecular Phylogenetics And Biogeography Of Wobbegong Sharks (Orectolobiformes: Orectolobidae)	The Diet & Feeding Ecology of Sympatric Orectolobiform Sharks: An Example of Resource Partitioning	
K Kendell			<b>3:00 PM</b>
Alberta Northern Leopard Frog Recovery Program			
B Rothermel			<b>3:15 PM</b>
Widespread Occurrence of <i>Batrachochytrium dendrobatidis</i> in the Southeastern United States			
M Sears			<b>3:30 PM</b>
Insights from imperfect data: climate change, disease, and amphibian declines	<b>AES Business Meeting (3:30 - 5:30 p.m.)</b>		
G Casper			<b>3:45 PM</b>
Getting Closer to Reality: Amphibian and Reptile Detection Probabilities for Western Great Lakes Inventory and Monitoring Programs			
<b>POSTER SESSION II Salle de Bal/Ballroom</b>			<b>4:00 PM</b>
			<b>4:30 PM</b>
			<b>5:00 PM</b>
			<b>5:30 PM</b>
			<b>6:00 PM</b>

2008 Joint Meeting (JMIH), Montreal, Canada  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SUNDAY, 27 JULY, Morning Sessions**

<b>ROOM</b>	<b>Salon Drummond West &amp; Center</b>	<b>Salons A&amp;B</b>	<b>Salons 6&amp;7</b>
<b>SESSION/ SYMPOSIUM</b>	<b>Fish Conservation</b>	<b>HL Grad Research Award</b>	<b>Fish Physiology</b>
<b>MODERATOR</b>	<b>K Martin</b>	<b>D Wilson</b>	<b>P Wainwright</b>
<b>8:00 AM</b>	C Bradshaw	<b>H Mueller - HL</b>	
	Population Viability of Australian Grey Nurse Sharks Under Fishing Mitigation and Climate Change	Are Caecilians Primarily Stegokrotaphic: Evidence From Larval Morphology	
<b>8:15 AM</b>	<b>C Correa - C</b>	<b>T Luhring - HL</b>	L Dirk
	Galaxoid Fishes, Remnants of Pristine Patagonian Lakes, and the Ecological Impacts of Invasive Trout	Population Ecology Of The Greater Siren, Siren lacertina: The Enigmatic Giant Salamander Of North America.	Markers of hypoxic stress in fishes: A river restoration evaluation
<b>8:30 AM</b>	S Bortone	<b>T Devitt - HL</b>	<b>R Watson - PPE</b>
	Establishing Fish as in situ Bioindicators of Extreme Events and Natural Hazards	Asymmetrical Reproductive Isolation Between Terminal Forms of the Salamander Ring Species <i>Ensatina eschscholtzii</i>	An Adaptive Physiological Response to Thermal Habitat Alteration by the Globally Invasive Species, <i>Gambusia affinis</i>
<b>8:45 AM</b>	A Domingo	<b>D Moen - HL</b>	<b>D German - PPE</b>
	A Missing Link In Population Biology Of Reef Fishes: Molecular Ecology Of Larval Dispersal In Gobies	Community Assembly Through Evolutionary Diversification and Dispersal in Middle American Treefrogs	Digestive enzyme activities in wood-eating catfishes: sources and consequences
<b>9:00 AM</b>	S Foster	<b>J Lee-Yaw - HL</b>	P Wainwright
	Cryptic Threats to the Adaptive Radiation of Threespine Stickleback ( <i>Gasterosteus aculeatus</i> )	Linking Landscape Processes to Phylogeographic Patterns in the Wood Frog	Jaw Protrusion Enhances Suction Feeding Performance In Fishes
<b>9:15 AM</b>	D Fox	<b>M Castenada - HL</b>	<b>A Clark - PPE</b>
	The Role of Fishing Pressure in Structuring American Eel Population Dynamics in the St. Jones River, DE	Phylogenetic Relationships Of The <i>Dactyloa</i> Clade Of Anolis Lizards	Sausages With Sharp Teeth And Strong Muscles: Jawless Morphology And Force Production In Hagfishes.
<b>9:30 AM</b>	<b>BREAK - Salle de Bal/Ballroom</b>		
<b>SESSION/ SYMPOSIUM</b>	<b>Fish Conservation</b>	<b>HL Grad Research Award</b>	<b>Fish Development/Reproduction</b>
<b>MODERATOR</b>	<b>S Walsh</b>	<b>D Cundall</b>	<b>P Hernandez</b>
<b>10:00 AM</b>	<b>B Fluker - C</b>	<b>S Nielsen - HL</b>	M Carvalho
	Conservation genetics and evolutionary history of the federally endangered Watercress Darter, <i>Etheostoma nuchale</i>	Molecular Systematics Of The Geckos Of New Zealand	Developmental Morphology of the Caudal Fin Skeleton of the South American Catfish <i>Lophosilurus Alexandri</i> Steindachner, 1877 (Siluriformes: Pseudopimelodidae)
<b>10:15 AM</b>	F García de León	<b>N Osman - HL</b>	P Hernandez
	Genetic Diversity of Native Populations of Largemouth bass ( <i>Micropterus salmoides</i> ) in Northeastern Mexico	Evolutionary Ecology of Fossorial Specialization in <i>Plestiodon reynoldsi</i> : A Comparison with <i>Plestiodon egregius</i> in the Florida Scrub	Turning a model on its head: Using zebrafish to investigate the origin and evolution of morphological novelty
<b>10:30 AM</b>	M Kopeny	<b>D Warner - HL</b>	D Stock
	Conservation and Taxonomic Status of the Spotted Form of the Margined Madtom <i>Noturus insignis</i> in the Dan River: A Genetic, Morphological and Distributional Investigation	The Interaction Between Mean and Variance of Nest Temperature Affects Primary Sex Ratios in an Agamid Lizard	Developmental Mechanisms of Dentition Reduction in Cypriniform Fishes
<b>10:45 AM</b>	<b>C Friess - C</b>	<b>R Telemeco - HL</b>	<b>K Staab - GDM</b>
	Life History And Population Structure Of <i>Beryx decadactylus</i> (Berycidae) In The Western North Atlantic	Effect Of Climate Change On The Thermal Regimes Inside Natural Nests of a Lizard Species with Temperature-dependent Sex Determination	The Development of Kinethmoid Mediated Premaxillary Protrusion in the Zebrafish: What Can the Ontogeny of a Complex Trait Tell Us about its Evolution?
<b>11:00 AM</b>	K Martin	<b>A Fornell - HL</b>	J Szlachciak
	Range-wide Population Assessment of California Grunion, <i>Leuresthes tenuis</i>	Foraging Site Selection In Prairie Kingsnakes: An Experimental Examination	Development of the Skeleton of the Spined Loach, <i>Cobitis taenia</i> (Pisces, Cobitidae)
<b>11:15 AM</b>	J Quattro	<b>B Halstead - HL</b>	I van der Sluijs
	Dynamics of Hybridization Among Native and Introduced Black Basses in the Savannah River, SC	The Coachwhip Selects Scrub: Is It for the Grub?	A Test for Genetic Associations between Male Nuptial Coloration and Female Mating Preference or Male Aggression Bias in a Polymorphic Cichlid Fish
<b>11:30 AM</b>	S Walsh	<b>A Pattishall - HL</b>	K Oliveira
	Age-0 Fish Assemblages of the Apalachicola River and Floodplain, Florida, in Relation to Altered Hydrology and Movement Patterns of Reproductive Adults	A new home range estimator for sedentary species that move along corridors	Artificial maturation, fertilization and early development of the American eel, <i>Anguilla rostrata</i>
<b>11:45 AM</b>	L Yang		
	Predicting Invasions of Gars (Actinopterygii: Lepisosteidae) in Mainland China Using Native Range Data and Ecological Niche Modeling		
<b>12:00 PM</b>	<b>LUNCH</b>		
	<b>C = Stoye Conservation</b>	<b>HL = Herp League</b>	<b>PPE = Stoye Physiology &amp; Physiological Ecology</b>

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**SUNDAY, 27 JULY, Morning Sessions**

<b>Salons 4&amp;5</b>	<b>Jarry/Joyce</b>	<b>Kafka/Lamartine</b>	<b>ROOM</b>
<b>Herp Reproduction</b>	<b>AES Systematics &amp; Biogeography II</b>	<b>AES Physiology/Conservation</b>	<b>SESSION/ SYMPOSIUM</b>
<b>M Eckstut</b>	<b>K Nakaya</b>	<b>C Luer</b>	<b>MODERATOR</b>
		L Frick	<b>8:00 AM</b>
		What happens after we throw them back? The physiological response of sharks to capture stress.	
	E Clark	L Field	<b>8:15 AM</b>
	A new species of Swell Shark (Carcharhiniformes: Scyliorhinidae) from Papua New Guinea with comments on clasper groove/tube function in sharks	Using Blood Physiochemistry To Compare Capture-related Stress Responses In Pelagic Sharks	
M Parker	R Horn	J Gelseichter	<b>8:30 AM</b>
Change in pheromone quality in snakes after low-temperature dormancy	Genetic Structure of the Gray Reef Shark (Carcharhinus amblyrhynchos), Based on Microsatellite and Mitochondrial DNA Analyses With Implications For Management	Shark Pharming: Human pharmaceutical exposure and uptake in juvenile bull sharks (Carcharhinus leucas) residing in wastewater-impacted freshwater habitats	
R Aldridge	S Gulak	K Russell	<b>8:45 AM</b>
The Relationship Between Mating Season and Vitellogenesis in the Colubrid Snakes of North America	Mitochondrial Haplotype Analysis Of The Bull Shark, Carcharhinus leucas, (Valenciennes, 1839) Control Region	Acquisition, Husbandry And Release Techniques For The Giant Manta Ray (Manta birostris) At Atlantis Resort, Bahamas	
M Eckstut	A Bernard	B Wetherbee	<b>9:00 AM</b>
Sperm Storage in the Female Mediterranean Gecko, Hemidactylus turcicus: Implications for Reproductive Competition with H. frenatus in the Southeastern United States?	Defining Management Units of a Migratory Species: the Global Genetic Population Structure of the Tiger Shark (Galeocerdo cuvier)	Supplemental feeding for tourism radically alters movement patterns and spatial distribution of the southern stingray, Dasyatis americana	
N Valenzuela	C Testerman	L Lucifora	<b>9:15 AM</b>
A novel sex chromosome system in the Australian chelid turtle Emydura macquarii provides new insights in the ever increasing complexity of sex chromosome evolution	Global Phylogeography of the Great (Sphyrna mokarran) and Smooth (Sphyrna zygaena) Hammerhead Sharks	How can the feeding habits of sand tiger sharks, Carcharias taurus, affect the success of conservation programs?	
<b>BREAK - Salle de Bal/Ballroom</b>			<b>9:30 AM</b>
<b>General Herpetology I</b>	<b>AES Management</b>	<b>AES Conservation</b>	<b>SESSION/ SYMPOSIUM</b>
<b>J Bogart</b>	<b>M Francis</b>	<b>S Fordham</b>	<b>MODERATOR</b>
D Adams	K Liu	M Nadon	<b>10:00 AM</b>
Community organization in Plethodon salamanders: categorical but not continuous patterns of body size assortment	Shark Management Based on Vital Parameters Analysis	Central Pacific survey reveals lower reef shark density near human population centers	
J Bogart	E Cortes	C Ward-Paige	<b>10:15 AM</b>
Sex In Unisexual Salamanders: Discovery Of A New Sperm Donor With Ancient Affinities	Productivity and Susceptibility Analysis of coastal sharks in U.S. Atlantic and Gulf of Mexico waters	Counting Elasmobranchs	
C Fontenot	M Drymon	P Kyne	<b>10:30 AM</b>
Scaling in Snakes, and Damuth's Energetic Equivalence Rule: Snakes Don't Follow it	Quantifying Regional Differences in Shark Abundance and Distribution: A Step Towards Ecosystem Management	The Conservation Status of South American Marine Chondrichthyan: Assessing Species for the IUCN Red List of Threatened Species <sup>TM</sup>	
S Mackessy	K Brewster-Geisz	N Dulvy	<b>10:45 AM</b>
A 12 Year Synopsis Of Habitat Use And Movement Patterns Of The Desert Massasauga (Sistrurus catenatus edwardsii) In Colorado	Status of Atlantic Shark Management in the United States	Using trees to save sharks and rays	
M Rochford	S Campana	J Baum	<b>11:00 AM</b>
Diet Of Burmese Pythons In South Florida	Estimation of discard mortality in blue sharks using pop-up archival tags, with implications for the status of the North Atlantic population	Are there Cascading Ecosystem Effects of Depleting the Oceans' Great Sharks?	
R King	K Siegfried	S Tallack	<b>11:15 AM</b>
Developmental and Ecological Impacts of European Buckthorn Invasion on Amphibians	Application of a Bayesian hierarchical meta-analysis in the assessment of pelagic sharks: a case study using the night shark, Carcharhinus signatus	Do Rare Earth Metals Deter Spiny Dogfish? A Feasibility Study On The Use Of Mischmetal To Reduce Dogfish Catches In Hook And Lobster Gear In Gulf Of Maine	
	F Carvalho	M Stratton	<b>11:30 AM</b>
	Fishing Gear Modifications to Reduce Elasmobranch Mortality in Pelagic and Bottom Longline Fisheries off Northeast Brazil	The Shifting Baseline of Threshold Feeding Responses to Electropositive Metal Deterrents in Two Species of Dogfish	
	M MacNeil	E Stroud	<b>11:45 AM</b>
	Nibbles from the Sea: Sourcing Shark Damage on Pelagic Longlines	Advances in Shark Repellent Research Using Highly Electropositive Metals	
<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>12:00 PM</b>

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ROOM	Salon Drummond West & Center	Salons A&B	Salons 6&7
SESSION/ SYMPOSIUM	General Ichthyology III	Herp Genetics	Amphibians in Ecosystems Symposium
MODERATOR	D Stouder	M Douglas	K Beard
1:30 PM		T Castoe	Introduction
		Adaptive Evolution and Functional Redesign of Core Metabolic Proteins in Snakes – Does Broad-Scale Molecular Adaptation Underlie Snake Evolution?	
1:45 PM	D Halas - GI	R McCleary - GDM	M Whiles
	A multi-gene phylogeny of the <i>Etheostoma zonale</i> species group: patterns of diversification in the Central Highlands of North America	Genetic Population Comparisons of Insular and Mainland Florida Cottonmouths ( <i>Agkistrodon piscivorus conanti</i> )	Effects of Amphibian Population Declines on the Structure and Function of Neotropical Streams
2:00 PM	S Kjartanson	M Douglas	K Beard
	Genetic Evaluation of Lake Sturgeon ( <i>Acipenser fulvescens</i> ) Designatable Units in Canada	Did Vicariance Shape Population Structure of Sideblotched Lizard, <i>Uta stansburiana</i> , in Grand Canyon, AZ?	An Invasive Frog Affects Ecosystem Processes Through Nutrient Recycling As Opposed To Trophic Cascades
2:15 PM	M Hirt - GI	A Schrey	P Hou
	Dating the Cypriniformes Tree of Life	Genetic Population Structure of the Sand Skink ( <i>Plestiodon reynoldsi</i> ) within Scrubs in Florida	Toads Change Litter Chemistry But Not Litter Invertebrates And Litter Decay Rates In An Asian Subtropical Forest
2:30 PM	M Cashner - GI	A Fox	M Walton
	Phylogenetic Relationships Among Members of the Notropis Subgenus <i>Hydrophlox</i>	Parentage Analysis of the Fossorial Sand Skink, <i>Plestiodon reynoldsi</i>	Multi-Trophic Level Effects of Terrestrial Salamanders in Forest-Floor Food Webs
2:45 PM	A Turner - GI	A Gottscho	J Maerz
	Molecular genetic variation in subspecies of the circumtropical needlefish <i>Platybelone argalus</i>	Landscape genetics of the Mojave fringe-toed lizard, <i>Uma scoparia</i> : a multi-locus coalescent approach	The importance of plethodontid salamanders to forest and stream ecosystem processes
3:00 PM	H Bleher	G Haenel	K Regeister
	The Genus <i>Symphysodon</i> Heckel, 1840 (Perciformes: Cichlidae) and how its three species can be defined from their habitat and chemical water parameters, better than from their molecular or morphological characters	Genetic Structure of a Hybrid Zone Between Two Lizard Species: Differences in Patterns of mtDNA and Nuclear Genes	Quantifying Energy Flow to Assess Ecological Roles of Amphibians: A Case Study of Ambystomatid Salamander Assemblages
3:15 PM	T Daly-Engel - GI	M Chatfield - GDM	
	Genetic Diversity Reveals a Cryptic Evolutionary Lineage in <i>Sphyrna barracuda</i>	Hybrid Zone Dynamics among Salamanders in the Genus <i>Plethodon</i>	
3:30 PM	C McMahan - GI	S Reilly	C Haas
	Phylogeography of the Mountain Mullet ( <i>Agonostomus monticola</i> : Mugilidae) in Mexico	Estimating Gene Flow Between Black Salamander ( <i>Aneides flavipunctatus</i> ) Populations: A Multi-locus Coalescent Approach	Influence of Forest Salamanders on Invertebrate Populations, Leaf Litter Decomposition, and Nutrient Flux
3:45 PM		J Urquhart	K Barrett
		Multiple Datasets Lead to a Novel Conclusion: The Case for Male-mediated Gene Flow in the <i>Phrynocephalus przewalskii</i> Complex of Toad-headed Lizards	Examining the relative role of ectotherms and endotherms in food webs
4:00 PM	<b>POSTER SESSION III</b> <b>Salle de Bal/Ballroom</b>		
4:30 PM			
5:00 PM			
5:30 PM			
6:00 PM			
7:00 PM	<b>ASIH Business Meeting</b> <b>(6 - 8 p.m.)</b>		
8:00 PM			
	GI - Stoye General Ichthyology	GDM = Stoye Genetics, Development & Morphology	

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<i>Salons 4&amp;5</i>	<i>Jarry/Joyce</i>	<i>Kafka/Lamartine</i>	<i>ROOM</i>
<b>Herp Conservation</b>	<b>AES Open Microphone</b>		<b>SESSION/ SYMPOSIUM</b>
<b>S Richter</b>			<b>MODERATOR</b>
S Ashpole			<b>1:30 PM</b>
Artificially Constructed Wetland Habitat as a Recovery Action for Species at Risk Amphibians, South Okanagan Valley, BC			
C Schalk			<b>1:45 PM</b>
Permanently Aquatic Salamander Dispersal Capabilities; Implications For Wetland Connectivity			
S Richter			<b>2:00 PM</b>
Problems associated with local-scale management of amphibian populations: spotted salamanders across a fragmented landscape			
T Laughlin			<b>2:15 PM</b>
Use of Passive Integrated Transponders in Subterranean Monitoring of Temporal and Spatial Habitat Use by Ambystomatid Salamanders			
D Nelson			<b>2:30 PM</b>
Road-kill Survey of Alabama Red-bellied Turtles on the Mobile Bay Causeway.			
R Van Meter			<b>2:45 PM</b>
Road Salt Runoff: The Relative Contribution of Direct and Indirect Effects on Aquatic Food Webs			
H Balbach			<b>3:00 PM</b>
Population viability modelling of the gopher tortoise ( <i>Gopherus polyphemus</i> ) and its implications for managing tortoise populations			
S Blomquist			<b>3:15 PM</b>
Forest management alters multi-scale habitat selection and breeding success of Wood Frogs ( <i>Rana sylvatica</i> )			
J DeVore			<b>3:30 PM</b>
Reductions in Metamorphic <i>Bufo americanus</i> Survivorship Associated with Invasion by an Exotic Plant			
N Turnbough			<b>3:45 PM</b>
Impacts of Invasive Brown Anoles ( <i>Anolis sagrei</i> ) on the Arthropod Fauna of Cabbage Palms ( <i>Sabal palmetto</i> ) in Florida			
<b>POSTER SESSION III</b>			<b>4:00 PM</b>
<b>Salle de Bal/Ballroom</b>			<b>4:30 PM</b>
			<b>5:00 PM</b>
			<b>5:30 PM</b>
			<b>6:00 PM</b>

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**Monday, 28 JULY, Morning Sessions**

ROOM	Salon Drummond West & Center	Salons A&B	Salons 6&7
SESSION/ SYMPOSIUM	Sustainable Harvest Symposium	Fish Ecology II	Herp Stressors/Snake Conservation
MODERATOR	W Roosenburg	T Sutton	M Boone
8:00 AM			
8:15 AM			<b>B Williams - C</b> Evaluating the Effects of Multiple Stressors in Agricultural Streams Using In Situ Tadpole Enclosures
8:30 AM		V Manfredi	C Bishop
8:45 AM	Introduction	Young - of - the - Year Winter Flounder Distribution Among Coastal and Estuarine Habitats	Pesticide Exposure And Reproductive Effects In Native Amphibian Species Living in Agricultural Habitats, South Okanagan Valley, British Columbia (2003-2007)
9:00 AM	R Seigel	The effect of hypoxia on habitat selection of juvenile estuarine fishes	Evaluating How Nutrient Input Influences Insecticide Exposure on Larval Amphibians
9:15 AM	Commercial Harvesting Of Turtles: A Possible Disconnect Between Theory, Empirical Data, And The "Real World"?	Unmasking Florida's Hogfish: Habitat, Behavior and Life History of the Hogfish ( <i>Lachnolaimus maximus</i> )	Possible Effects of Endocrine Disrupting Chemicals on Diamondback Terrapins ( <i>Malaclemys terrapin</i> ) from Four Northeastern Sites
		Effects of Latitude and Depth on Fish Species Diversity of the Northwest Atlantic Ocean	Amphibians of Brooktrout Lake: a "Recovering" Acidified Lake in the Adirondacks
9:30 AM	<b>BREAK - Salle de Bal/Ballroom Foyer</b>		
SESSION/ SYMPOSIUM	Sustainable Harvest Symposium	Fish Ecology II	Herp Stressors/Snake Conservation
MODERATOR	W Roosenburg	J Baker	M Goode
10:00 AM	J Musick	K Parsons	M Westphal
10:15 AM	Lives at Risk in the Slow Lane- Sharks and Other Fishes	What Makes Mangroves Good Habitats For Fish? Spatial Variations In Mangrove Fish Communities At South Caicos, Turks And Caicos Islands.	Quantitative genetics meets the Evolutionarily Significant Unit: the case of the endangered San Francisco Garter Snake, <i>Thamnophis sirtalis tetrataenia</i>
		P Peres-Neto	M Goode
10:30 AM	S Heppell	Effects of Habitat Persistence on the Distribution of Fish in Seasonally Drying Mediterranean Streams	Ecology and Conservation of the King Cobra ( <i>Ophiophagus hannah</i> ) in the Western Ghats of India
10:45 AM	What REALLY makes long-lived species more susceptible to overexploitation?	Deep-Pelagic Fishes And The Mid-Atlantic Ridge: Interactions And Vectoring Of Gelatinous Carbon To Higher Trophic Levels?	Investigating Rural Kenyan Teachers' Attitudes Toward Snakes: New Perspectives for Teaching
		J Baker	S Beaupre
		The simultaneous effects of egg size and ration on fry survival and growth in oceanic threespine stickleback ( <i>Gasterosteus aculeatus</i> )	Food as a Conservation Tool: Lessons From Field Studies of Snake Bioenergetics
11:00 AM	J Spotila	C Senay	J Brown
11:15 AM	Sustainable Harvest of Sea Turtles: Myth and Reality	What happened to small scales? The balance between spatial scales in the distribution and co-occurrence of stream fish communities	Western Rattlesnake Conservation in the south Okanagan Valley, British Columbia
		J Dickson - GDM	
		Development of the Slow-Twitch Oxidative Myotomal Muscle in the Yellowfin Tuna ( <i>Thunnus albacares</i> )	
11:30 AM	R Brooks		
11:45 AM	Is Harvest Of The Snapping Turtle Sustainable: When Is A Whale Not A Fish?		
12:00 PM	<b>LUNCH</b>		
	EE = Stoye Ecology & Ehtology	GDM = Stoye Genetics, Development, & Morphology	C = Stoye Conservation

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<i>Salons 4&amp;5</i>	<i>Jarry/Joyce</i>	<i>Kafka/Lamartine</i>	<i>ROOM</i>
<b>Cottonmouth Symposium</b>	<b>Amphibian Ecology</b>	<b>Fish Phylogeography</b>	<b>SESSION/ SYMPOSIUM</b>
<b>B Green</b>	<b>R Durtsche</b>	<b>M Warren</b>	<b>MODERATOR</b>
N Ford	C Hickerson	M Smith	<b>8:00 AM</b>
Cattle Impacts On Postmetamorphic Amphibians Of The Cumberland Plateau	Trait Mediated Effects of the Salamander, <i>Plethodon cinereus</i> , on Large Invertebrate Predators in a Terrestrial Detrital Food Web	Areas of Endemism of New World Freshwater Fishes	
T Guiher	R Durtsche	J Lopez	<b>8:15 AM</b>
Assessing The Utility Of Nuclear Markers To Examine Phylogeography Of <i>Agkistrodon piscivorus</i>	The Effects of Leaf Teas from the Invasive Amur Honeysuckle ( <i>Lonicera maackii</i> ) on Wood Frog ( <i>Lithobates sylvaticus</i> ) Tadpole Digestion	Exploring the distribution of genetic variability among populations and subspecies of <i>Aphredoderus sayanus</i>	<b>8:30 AM</b>
	A Ferreira	D Figueroa	
	Are Predators to Blame for the Detection of a Novel Hypercalcification Disorder in Tadpoles?	Endemic Genera In The Family Rajidae	
D Siegel	W Mautz	K Beshera	<b>8:45 AM</b>
Reproductive biology of <i>Agkistrodon piscivorus</i>	Dynamics of the Coqui Frog Invasion of Hawaii	MtDNA Phylogeography of <i>Barbus intermedius</i> (Pisces: Cyprinidae) from Ethiopia	
	R Williams	M Craig	<b>9:00 AM</b>
	Reproductive Success And Sexual Selection In Wild Tiger Salamanders ( <i>Ambystoma tigrinum</i> )	How many species of goliath grouper are there?	
	J Loda	M Warren	<b>9:15 AM</b>
	Associations Between the Reproductive Success of Amphibians and Water Quality, Aquatic Predators and Landscape Context of Wetlands in an Agricultural Region of Iowa, U.S.A.	Fish faunal regions of the southern United States: isolation by distance as structuring mechanism	
<b>BREAK - Salle de Bal/Ballroom Foyer</b>			<b>9:30 AM</b>
<b>Cottonmouth Symposium</b>	<b>General Herpetology II</b>	<b>Fish Phylogeography</b>	<b>SESSION/ SYMPOSIUM</b>
<b>B Green</b>	<b>R Fisher</b>	<b>T Turner</b>	<b>MODERATOR</b>
F Zaidan III	S Ruane	T Turner	<b>10:00 AM</b>
Ecophysiological Research on Cottonmouths: Model Species and Special Cases	Phylogeographic and Demographic History of the Milk Snake, <i>Lampropeltis triangulum</i> : The Impact of Glacial Cycles on a Pan-tropical and Temperate Vertebrate	Phylogeography of the orangebelly darter, <i>Etheostoma radiosum</i>	
	P Uetz	K Piller	<b>10:15 AM</b>
	The EMBL/TIGR/JCVI Reptile Database	Phylogeny, Biogeography, And Species Boundaries Within The Brook Silverside ( <i>Atherinopsidae</i> : <i>Labidesthes sicculus</i> )	
S Boback	C Rochester	H López-Fernández	<b>10:30 AM</b>
Life-history of a population of Cottonmouths ( <i>Agkistrodon piscivorus</i> ) in east-central Alabama	Reptile And Amphibian Responses To Large-Scale Wildfires In Southern California	Origins and early diversification of Neotropical freshwater fishes	
	R Fisher	L Faulks	<b>10:45 AM</b>
	Impacts of post-fire geological processes on amphibian and fish habitat in Southern California	Evolution and maintenance of divergent lineages in an endangered freshwater fish, <i>Macquaria australasica</i>	
N Ford	H Bateman	J Egge	<b>11:00 AM</b>
Life History Traits of Cottonmouths ( <i>Agkistrodon piscivorus</i> )	Snake Abundance and Species Richness in Managed Riparian Forests Along the Middle Rio Grande in New Mexico	Cryptic diversity in the Mississippi Embayment: phylogeographic evidence from the least madtom, <i>Noturus hildebrandi</i>	
	C Brehme	R Strange	<b>11:15 AM</b>
	Arroyo Toads ( <i>Bufo californicus</i> ) in Southern California: Trends from 5 years of Population Monitoring using Proportion Area Occupied (PAO) of Tadpoles and 10 Years of Adult Counts	Phylogenetic Relationships and Genetic Integrity of Native-Strain Walleye ( <i>Sander sp. cf. vitreus</i> ) from the Central Highlands	
B Greene	K Cabarle	L Beheregaray	<b>11:30 AM</b>
Sources of Spatial Variation in the Cottonmouth, <i>Agkistrodon piscivorus</i>	Skeletochronology of a Paedomorphic population of Tiger Salamanders ( <i>Ambystoma tigrinum</i> ) in Swalls Pond, Ward County, North Dakota	Multiple speciation events in Amazonian lowland forest fishes driven by Andean tectonics	
		E Crispo	<b>11:45 AM</b>
		No Evidence for Ecological Isolation in Relation to Dissolved Oxygen Regime in an African Cichlid Fish: A Possible Role of Phenotypic Plasticity?	
<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>12:00 PM</b>



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ROOM	Salon Drummond West & Center	Salons A&B	Salons 6&7
SESSION/ SYMPOSIUM	Sustainable Harvest Symposium	Fish Systematics IV	
MODERATOR	J Congdon	D Bloom	
1:30 PM	J Congdon		
1:45 PM	How Harvesting Turtles Impacts the Currency of Life-History Evolution	R Beamish	
		A new character for the taxonomy of lamprey	
2:00 PM	W Roosenburg	D Bloom	
2:15 PM	Comparison of feasible demography and MSY models and their predictions for terrapin management	Phylogenetics and Evolution of New World Anchovies (Engraulidae)	
		E Hilton	
2:30 PM	T Gamble	N Saarman	
2:45 PM	Is there a sustainable turtle harvest in Minnesota? Estimating harvester effort and the impact of a commercial harvest on painted turtle populations	A Preliminary Molecular Phylogeny of Syngnathid Fishes	
		E Lewallen	
		Phylogenetic systematics of flyingfishes (Exocoetidae)	
3:00 PM	<b>BREAK- Salle de Bal/Ballroom Foyer</b>		
MODERATOR	J Congdon	P Chakrabarty	
3:30 PM	P Moler	C Brock	
3:45 PM	Sustainable Harvest of Wild Adult American Alligators in Florida	Geographic and temporal patterns of diversification in <i>Sebastes</i> rockfishes	
		J Tavera	
		Systematics of the genus <i>Anisotremus</i> Gill, 1861 (Haemulidae:Perciformes)	
4:00 PM	E McCoy	M Sanciangco	
4:15 PM	Adding Insult to Injury: Can the Gopher Tortoise Survive in Florida?	A molecular phylogeny of the grunts (Perciformes: Haemulidae) inferred from the nuclear RAG1 and COI gene sequences	
		L Smith	
		Relationships of the Stonefishes and Scorpionfishes (Teleostei: Scorpaenoidei)	
4:30 PM	Discussion	M Lee	
4:45 PM		Taxonomic Review of Symphurine Tonguefishes (Symphurus: Cynoglossidae) from Taiwanese Waters	
		N Holcroft	
		Placement of the goatfishes (Perciformes: Mullidae) within an acanthomorph context using RAG1 and a total evidence analysis of mullid interrelationships	
5:00 PM		P Chakrabarty	
		The Influence of Sexual Selection in the Diversification of Ponyfishes	

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<b>Cottonmouth Symposium</b>			<b>SESSION/ SYMPOSIUM</b>
<b>N Ford</b>			<b>MODERATOR</b>
X Glaudas			<b>1:30 PM</b>
Antipredator Behavior of the Cottonmouth ( <i>Agkistrodon piscivorus</i> ): Synthesis and Perspectives			<b>1:45 PM</b>
P Andreadis			<b>2:00 PM</b>
Cottonmouth Feeding: Jack of All Prey, Master of the Dead			<b>2:15 PM</b>
D Kimberly			<b>2:30 PM</b>
The Effects of Mercury on the Performance Behavior of <i>Agkistrodon piscivorus</i>			
Panel			<b>2:45 PM</b>
<b>BREAK - Salle de Bal/Ballroom Foyer</b>			<b>3:00 PM</b>
			<b>MODERATOR</b>
			<b>3:30 PM</b>
			<b>3:45 PM</b>
			<b>4:00 PM</b>
			<b>4:15 PM</b>
			<b>4:30 PM</b>
			<b>4:45 PM</b>