

2011 Joint Meeting (JMIH), Minneapolis, MN
BREAK-OUT SESSIONS AT A GLANCE
THURSDAY, 7 JULY, Afternoon Sessions

ROOM		Minneapolis Ballroom E		Minneapolis Ballroom F		Minneapolis Ballroom G
SESSION/ SYMPOSIUM		HL Grad Award		SSAR Seibert Award - Conservation I		AES Behavior & Ecology
MODERATOR		M Mahoney		J Mendelson		G Burgess
1:30 PM	254	R Telemeco	581	M Chesser		
		Modelling the Effects of Climate-change Induced Shifts in Nesting Date on Sex Ratios in Species with Temperature-dependent Sex Determination: A Case Study Using Painted Turtles (<i>Chrysemys picta</i>)		Analysis of Human Error Rates related to Photographic Identification in Ecological Databases: Implications for the Possibility of Incorporating Citizen Scientists		
1:45 PM	196	T Mitchell	712	C Otto	583	G Burgess
		Phenotypic Effects of Clutch and Nest-site Choice Revealed by Cross Fostering during Two Life-history Stages		Coarse Woody Debris Surveys Reveal Sampling Disturbance Effects and Seasonal Occupancy Differences of Red-backed Salamanders		Sequential and Serial Shark Attacks On Humans Over An Abbreviated Period of Time and Space in Sharm el-Sheikh, Egypt: 6 Days, 5 Attacks, 2 Species - 2 Sharks?
2:00 PM	532	K Mougey	81	C Korfel	115	R Honebrink
		Radio Transmitter Mass: Impacts on Home Range, Daily Displacement, and Nesting Movement in Texas Horned Lizards		Anticipated extirpation of a harlequin frog from the Ecuadorian Andes based on 25 years' experience		First Documented Attack by a Cookiecutter Shark on a Human
2:15 PM	239	M Anderson	61	L Witczak	723	R Hueter
		Tail Autotomy Induces Differential Effects on Sprint Performance between the Sexes in the Lizard <i>Uta stansburiana</i>		Variation in Survivorship and Recruitment of <i>Malaclemys terrapin</i> Over Three Decades		Patterns in Diving Behavior of Whale Sharks Identified through Pop-up Satellite Archival Tagging in the Gulf of Mexico
2:30 PM	515	D Weeks	331	S Kimble	538	A Carlson
		When Warmer isn't Better: Subzero Tolerances and Performance Eurythermy for the World's Southernmost Gecko		Conservation Genetics of the Eastern Box Turtle (<i>Terrapene carolina carolina</i>) in Indiana, USA		Vertical and Horizontal Movement Patterns of Archival Satellite Tagged Spiny Dogfish in the Northwestern Atlantic
2:45 PM	753	M Tuma	92	J Refsnider	509	S Teter
		Modeling Habitat for Desert Tortoises in the Northeastern Mojave Desert		Nest-site Choice in Response to Climate Change and Effects on Offspring Performance in a Turtle with Temperature-dependent Sex Determination		Migratory Patterns and Habitat Use of Sand Tiger Sharks (<i>Carcharias taurus</i>) in the Northwest Atlantic
3:00 PM		BREAK - Minneapolis Ballroom ABCD				
SESSION/ SYMPOSIUM		HL Grad Award		SSAR Seibert Award - Conservation I		AES Behavior & Ecology
MODERATOR		H Heatwole		H Waddle		B Wetherbee
3:30 PM	497	R Jadin	611	J Guzy	672	B Wetherbee
		Systematic revision of the snake genus <i>Pseustes</i> (Reptilia: Colubridae)		Urbanization Interferes with the use of Amphibians as Indicators of Wetland Health		Are Tiger Sharks Reef Sharks or Pelagic Sharks? Movements of Tiger Sharks in the Western North Atlantic
3:45 PM	744	S Sanders	358	S Price	725	M Drymon
		Re-evaluation of the Pseudogeographica Subgroup of Map Turtles (Genus: <i>Graptemys</i>)		Modeling the Effects of Urbanization on Salamander Abundances using a Before-After Control-Impact Design		Monitoring Movements of Bull Sharks (<i>Carcharhinus leucas</i>) in Coastal Alabama Using Acoustic Telemetry
4:00 PM	674	S Whitfield	598	A Drayer	669	J Imhoff
		Pattern and Process in Amphibian and Reptile Declines at La Selva Biological Station, Costa Rica		Management Implications for Amphibian Communities Utilizing Constructed Ponds of Various Water Depths		Use Of Passive Acoustic Telemetry To Track Juvenile Bull Sharks In The Indian River Lagoon System, FL, USA: Culmination Of A Three-Year Study
4:15 PM	738	L Regula Meyer	693	A Yahnke	511	S Kessel
		The Impact of <i>Typha angustifolia</i> and <i>Phragmites australis</i> Invasions in Wetlands on Behavior of Larval and Adult <i>Rana clamitans</i>		Amphibian Phenology and Aquatic Weed Management in the Pacific Northwest United States		The Use of Aerial Survey to Estimate Population Abundance for a Carcharhinid Species
4:30 PM	204	J Earl	192	C Ma	485	I Peklova
		Reciprocal Subsidies in [onds: Does Leaf Input Increase Frog Biomass Export?		Managing Amphibians in Agricultural Wetlands in South China: Effects of Fertilizers on Tadpole Performance		Depth and Temperature Preferences of Arctic Skate (<i>Amblyraja hyperborea</i>) and Greenland Halibut (<i>Reinhardtius hippoglossoides</i>) in a Deep Water Arctic Marine Ecosystem
4:45 PM	153	R Denton	49	S Hanlon	206	C Braun
		A Comparison of Amphibian Communities Between Natural Ponds and Constructed Ponds of Multiple Ages and Construction Types		Interactive Effects of the Fungicide Thiophanate Methyl and <i>Batrachochytrium dendrobatidis</i> in Culture and on Southern Leopard Frogs (<i>Lithobates sphenoccephalus</i>)		Movements of Juvenile Whale Sharks (<i>Rhincodon typus</i>) in the Red Sea
5:00 PM					762	N Hammerschlag
						High-resolution Movements of Large Coastal Sharks Satellite-tagged in the Subtropical Atlantic

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<i>Symphony III</i>		<i>Symphony I & II</i>		<i>Conrad B & C</i>		<i>ROOM</i>
Fish Genetics & Morphology		Neotropical Ichthyology		SSAR Seibert Awards - Physiology & Morphology		SESSION/ SYMPOSIUM
T Near		P Backup		M Preest		MODERATOR
						1:30 PM
529	T Berra	218	P Backup	384	M Anderson	1:45 PM
	Low Genetic Diversity in Nurseryfish, Kurtus gulliveri (Perciformes: Kurtidae), and an Appraisal of its Breeding System Using Microsatellite Loci		Areas of Fish Endemism in the Southern Tributaries of the Amazon River		Iron Deposition in First-Generation Teeth of the Streamside Salamander, Ambystoma barbouri	
251	T Krabbenhoft	637	A Marmolejo - N	657	A Fuiten	2:00 PM
	Comparative Genomics of North American Minnows: Next-Generation Transcriptome Sequencing of Rio Grande Silvery Minnow, Hybognathus amarus (Cypriniformes: Cyprinidae)		Community Assemblage Patterns of Inland Fishes in Southern Regions of the Dominican Republic		Skeletal variation underlying Ecomorphology in Melanesian Forest Frogs	
404	K Boysen	369	C Ray - N	307	A Rivera	2:15 PM
	Sequence Validation of Known Microsatellites of Scaphirhynchus Sturgeon Species from the Lower Mississippi River Basin		Redescription and Morphometric Analysis of Isorineloricaria (Siluriformes: Loricariidae)		Evolution of Flapping in Turtles: A Comparative Examination of Forelimb Kinematics and Muscle Function across Three Lineages (Trionychidae, Carettochelyidae, Cheloniidae)	
388	R Chabarria	140	R Reis	335	M Karnatz	2:30 PM
	Population genetics of Sicydium salvini		A New Genus and Five New Species of Cascudinhos of the Subfamily Hypoptopomatinae (Siluriformes: Loricariidae) from Northern South America		Overwintering Behavioral Physiology of Hatchling Painted Turtles (Chrysemys picta) in Natural Nests	
417	S Hirase	458	D Stewart	58	J Lefebvre	2:45 PM
	Spatial Patterns of Genetic Variation in Japanese Common Intertidal Goby, Chaenogobius annularis, Formed by the Cycles of Vicariance and Dispersal		A New Species of Arapaima (Pisces, Osteoglossidae) from the Solimoes River, Amazonas State, Brazil		Tickle-Me Softly: A New Non-Invasive Technique for Sperm Extraction in Male Freshwater Turtles.	
BREAK - Minneapolis Ballroom ABCD						3:00 PM
Fish Genetics & Morphology		Neotropical Ichthyology		SSAR Seibert Awards - Systematics & Evolution		SESSION/ SYMPOSIUM
T Turner		M De Pinna		R Brown		MODERATOR
199	A Jackson - GDM	522	F Lima	416	B Barker	3:30 PM
	Conservation Genetics of Commercially Overexploited Grouper Species		A Revision of the Cis-andean Species of the Genus Brycon Müller & Troschel (Characiformes: Characidae)		The Role of Sea-level Fluctuations, Topography, and Human Introductions in Generating Island Diversity: Multi-locus Phylogeography of a Widespread Eleutherodactylus frog in the Puerto Rican Bank	
656	N Martinez-Takeshita - GDM	699	V Sant'Anna - N	374	R Catullo	3:45 PM
	The Global Genetic Diversity of Seriola lalandi (Yellowtail)		Total Evidence Analysis of Needlefishes (Beloniformes: Belonidae)		Using Phylogenetics and Ecological Niche Modeling to Investigate Speciation Patterns in Australian Burrowing Frogs (Uperoleia: Myobatrachidae)	
606	M Reneski	573	F Bockmann	419	J Streicher	4:00 PM
	Temporal Genetic Analysis Reveals Divergence of Hatchery Steelhead (Oncorhynchus mykiss) via Drift		Two New, Beautifully-Colored Species of the Neotropical Catfish Cetopomphandria Eigenmann and Fisher, 1916 (Siluriformes, Heptapteridae) from Western Brazil, with a Cladistic Analysis of the Genus		Systematics of Polymorphic Direct-Developing Frogs (Anura: Craugastoridae) from Mexico and Northern Central America	
472	K Purcell	556	K Brochu - N	395	T Hagey	4:15 PM
	Evaluation of the Introduction History and Genetic Diversity of a Serially Introduced Fish Population in New Zealand		Molecular phylogenetics of the Neotropical Electric Knifefish Genus Gymnotus (Gymnotidae, Teleostei): Biogeography and Signal Evolution of the Trans-Andean Species		Dynamics of Gecko Evolution	
770	K Beshera	615	M de Pinna	446	E Rittmeyer	4:30 PM
	Evolutionary Relationships and Population Genetic Structure of Labeobarbus (Cyprinidae) Species Flock of Lake Tana, Ethiopia		Structure and Relationships of Primitive Loricarioid Catfishes (Siluriformes, Trichomycteridae and Nematogenyidae): Effects of Long-branches and Taxonomic Density in Lower Loricarioid Phylogeny		Bio-invasion of the Pacific: Human-mediated Introduction and Systematics of the Carlia fusca Complex in New Guinea and the Pacific	
117	N Holcroft	28	M Sabaj Pérez	364	D Scantlebury	4:45 PM
	A Survey of Euteleost Supracleithrum Synapomorphies		Piscatorial travelogue of the 2007 ACSI-PIPE expedition to Serra do Cachimbo, Brazil		Patterns of Adaptive Radiation in West Indian Dwarf Geckos (Sphaerodactylidae: Sphaerodactylus)	
127	E Wiley			614	C Linkem	5:00 PM
	Teleost Epurals and Homology				Species Tree Despite Gene-Tree Incongruence in Large Datasets: The Phylogeny of the Sphenomorphus group (Squamata: Scincidae)	
432	M White			234	P Skipwith	5:15 PM
	Mitochondrial DNA Variation in the American Brook Lamprey				Multilocus Systematics and Divergence Times of New Caledonian Diplodactylids	
GI - ASIH General Ichthyology		N = NIA Best Student Paper				
GDM = ASIH Stoye Genetics, Development, Morphology						

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ROOM		Minneapolis Ballroom E		Minneapolis Ballroom F		Minneapolis Ballroom G
SESSION/ SYMPOSIUM		Amphibian Conservation Tools Symposium		Ranavirus Symposium		AES Gruber I
MODERATOR		J Germano		J Hoverman		L Ferry
8:00 AM				Welcome		
8:15 AM			638	A Hyatt	518	A Maia
8:30 AM				Ranaviruses: Where to Next?	469	J Ramsay
						Function of The Jaw Depressors during Feeding in Little Skates, <i>Leucoraja erinacea</i>
8:45 AM		Introduction	136	M Gray	452	J Gardiner
				Are Ranaviruses Capable of Contributing to Amphibian Species Declines?		Making Sense of Shark Senses: Multimodal Integration in Prey Tracking and Capture
9:00 AM	85	F Molina	78	J Brunner	394	C Mull
		Building the Anuran Reproductive Technology Toolbox - Progress from New Zealand		Amphibian Ranavirus Transmission and Persistence		Does more Maternal Investment Lead to Larger Brains? Evolutionary Relationships between Reproductive Mode and Brain Size in Chondrichthyans
9:15 AM	51	J Germano	86	J Hoverman	273	T Meredith
		Hormone-induced spermiation in the Northern leopard frog (<i>Rana pipiens</i>) and endangered dusky gopher frog (<i>Rana sevosa</i>)		Amphibian Susceptibilities to the Emerging Amphibian Pathogen Ranavirus		Electrophysiological Evidence for Multiple Types of Amino Acid Olfactory Receptors in Elasmobranchs
9:30 AM		BREAK - Minneapolis Ballroom ABCD	141	D Lesbarrères		BREAK - Minneapolis Ballroom ABCD
				Ranaviruses and Amphibians: Outside the Box of Host-parasite Relationships		
9:45 AM			83	J Kerby		
				Effects of Pesticide Exposure on Susceptibility to Ranavirus in Tiger Salamanders, <i>Ambystoma tigrinum</i>		
SESSION/ SYMPOSIUM		Amphibian Conservation Tools Symposium		Ranavirus Symposium		AES Gruber I
MODERATOR		J Germano		J Brunner		M McComb-Kobza
10:00 AM	18	A Silla		COFFEE BREAK	108	C Bangle
		Effect of Multiple Priming Injections of Luteinizing Hormone-releasing Hormone on Spermiation and Ovulation in Günther's Toadlet, <i>Pseudophryne guentheri</i>				Variation in the Feeding Ecology of Spiny Dogfish (<i>Squalus acanthias</i>) Overwintering in North Carolina Waters Based on Size and Habitat
10:15 AM	214	V Trudeau	277	J Jancovich	319	A Cicia
		Induction of Spawning in Anura by the AMPHIFLEX Method		Evidence for Multiple Recent Host Species Shifts among the Ranaviruses (Family Iridoviridae)		The Seasonal Blood Biochemical Status of the Little Skate, <i>Leucoraja erinacea</i> , Exposed to Graded Bouts of Aerial Exposure
10:30 AM	29	C Langhorne	366	A Storfer	661	J Dale
		Sperm Motility and Hormonal Induction Timing in the Boreal Toad (<i>Bufo boreas boreas</i>)		Ranavirus-salamander Evolution: From Genes to Landscapes		Metabolic rates and bioenergetics of juvenile brown stingrays, <i>Dasyatis lata</i> , in Kane'ohe Bay, Oahu, HI
10:45 AM	59	M Wilkes-Martin	128	V Chinchar	424	A Maljkovic
		Frequency of Exogenous Hormone Administration Affects Sperm Characteristics in the Fowler Toad (<i>Bufo fowleri</i>): Implications for Captive Breeding		Elucidating Ranavirus Gene Function Using Anti-sense Approaches		Decadal-Scale Shifts in the Isotopic Signatures of Predatory Sharks in the Western Indian Ocean
11:00 AM	31	L Arregui	41	J Robert	43	A Carlisle
		Successful In Vitro Fertilization with Hormonal Induced <i>Bufo fowleri</i> Sperm Stored at 4°C for up to 8 Days		Complex role of macrophages in <i>Xenopus</i> immune defenses and persistence of the ranavirus FV3		Reconstructing the Life of a Pelagic Shark: Investigating Ontogenetic Changes in Trophic Ecology and Habitat Use in Salmon Sharks (<i>Lamna ditropis</i>) Using Stable Isotope Analysis
11:15 AM	53	A Kouba	336	D Green	33	D Shiffman
		A Review of the History, Current Research, and Future Considerations for Amphibian Genetic Cryoconservation		Comparative Pathology of Ranavirus Infections in Wild Amphibians		Detection of an Ontogenetic Shift in the Diet of the Sandbar Shark (<i>Carcharhinus plumbeus</i> , Nardo 1827) Using Minimally Invasive d13C and d15N Stable Isotope Analysis
11:30 AM	84	J Clulow	180	A Balseiro	167	S Kim
		Genome Banking Australian Frogs - The Way Forward		Pathological Changes Observed in European Amphibians with Ranaviral Diseases		Dietary Specialization Among White Sharks in the Northeast Pacific
11:45 AM	23	G Della Togna	129	D Miller		
		Establishing a Genome Resource Bank for the Panamanian Golden Frog (<i>Atelopus zeteki</i>)		Comparative Pathology of Ranaviral Disease among Amphibians, Reptiles and Fish		
12:00 PM		LUNCH		LUNCH		LUNCH

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	<i>Symphony III</i>		<i>Symphony I & II</i>		<i>Conrad B & C</i>	<i>ROOM</i>
	Phylogeography Gulf-Atlantic Symposium		Fish Morphology		SSAR Seibert Award - Ecology	SESSION / SYMPOSIUM
	A Lopez		A McCune		B Brodman	MODERATOR
457	A Lopez			65	E Eskew	8:00 AM
	Pattern and Process in the Distribution of Freshwater Biodiversity in Southeastern Coastal Drainages: A Review				Effects of Flow Regulation on Anuran Occupancy and Abundance in Riparian Zones	
89	J Anderson	14	C Kenaley - GDM	754	C St. Andre	8:15 AM
	Eustatically-Controlled Evolution of the Gulf of Mexico Coastal Plain		Dampening Drag and Paring Pressure: A Novel Hypothesis for the Function of Enormous Fangs in Deep-sea Fishes		Annual Variation of Orientation and Timing of Amphibian Movements in South Central Kentucky	
		293	R Schelly	527	A Deyle	8:30 AM
			A New Species of Kaupichthys (Anguilliformes: Chlopsidae), and a Morphological Assessment of Chlopsid Relationships		Trapping Two Species of Aquatic Salamanders in Central Florida for Genetic Analysis of Dispersal	
517	L deSouza	210	P Hundt	502	J Leduc	8:45 AM
	Biogeographic Patterns of Aquatic Fauna in Coastal Plains Drainages of the Eastern United States		Evolution of Dental Morphologies in Blennioid Fishes (Teleostei: Perciformes: Blenniidae)		Metal-Induced Fitness Response of Leopard Frog (<i>Lithobates pipiens</i>) Larvae in Tailings Wetlands: A story of trace Metals Mingling with the Ranavirus	
426	A Lopez	248	A Deary	633	T McPeck	9:00 AM
	Common and Contrasting Phylogeographic Patterns in <i>Aphredoderus</i> and <i>Esox</i>		Comparative Ontogeny of the Oral Jaws in the Drums (<i>Sciaenidae</i>) of the Chesapeake Bay with comparisons to the Freshwater Drum, <i>Aplodinotus grunniens</i>		Effect of Exposures to Common Pesticides During Multiple Aquatic Life Stages of Spotted Salamanders (<i>Ambystoma maculatum</i>)	
476	M Sandel	315	L Habegger	207	M Harless	9:15 AM
	Comparative Phylogeography of Coastal Plain Fishes and amphibians		Feeding biomechanics of the swordfish (<i>Xiphias gladius</i>) rostrum		Comparative Toxicity of Six Chemical Road Deicers to Larval Wood Frogs (<i>Rana sylvatica</i>)	
BREAK - Minneapolis Ballroom ABCD						
	Phylogeography Gulf-Atlantic Symposium		Fish Morphology		SSAR Seibert Award - Ecology	SESSION / SYMPOSIUM
	A Lopez		P Cochran		N Karraker	MODERATOR
505	J Quattro	665	H Aryafar	375	W Anthonsamy	10:00 AM
	Genetic and Morphological Divergence in Lake Waccamaw Endemic Fishes		Possible Sexual Dimorphism in the California Grunion, <i>Leuresthes tenuis</i> (Atheriniformes: Atherinopsidae)		Mating System and Reproductive Success in Blanding's Turtles (<i>Emys blandingii</i>)	
264	T Darden	267	W Aguirre	39	J Paterson	10:15 AM
	Dispersal and Colonization of Fish Communities within Palustrine Wetland Complexes		The Osteological Basis of Body Shape Evolution in Threespine Stickleback Fish		Generally specialized or especially general? Habitat selection by Snapping Turtles (<i>Chelydra serpentina</i>)	
750	A McKee	125	M Doosey	642	A Fox	10:30 AM
	Landscape Predictors of Genetic Diversity in Amphibians with Differing Dispersal Abilities		Segmentation and Centra Formation in Euteleost Caudal Skeletons		Comparison of Genetic Structure of the Florida Sand Skink, <i>Plestiodon reynoldsi</i> , in Homogeneous and Heterogeneous Scrub on Lake Wales Ridge in Central Florida	
282	B Kuhajda	525	M Melo	570	C Friesen	10:45 AM
	Phylogeography of the Subgenus <i>Fuscatelum</i> (Percidae: <i>Etheostoma</i>) Based on Mitochondrial and Nuclear DNA Sequences		Morphology and Innervation of the Lateral-Line Organs in Deep-Sea Swallowers (Chiasmodontidae: Teleostei)		Not Just a Chastity Belt: The Role of Copulatory Plugs in Red-sided Garter Snakes Revisited	
164	J Egge	610	MV Hirt - GDM	482	J Chamberlain	11:00 AM
	Comparative Phylogeography of Mississippi Embayment Fishes	610	Gill Raker Morphology in Suckers (Cypriniformes: Catostomidae)		Stochastic Variation in Life-history Traits in a Population of <i>Thamnophis proximus</i> in East Texas	
758	N Johnson	42	A Cass - GDM	580	A Durso	11:15 AM
	Phylogeographic Investigations of Freshwater Pearly Mussels (Bivalvia: Unionidae) Inhabiting Rivers of the Gulf-Atlantic Coastal Plain		Swimbladders and Lungs: Molecular Development of the Air-filled Organs of Vertebrates		Interactions of Sex, Age and Behavior in Death-feigning Snakes (Heterodon)	
501	L Knowles	60	A McCune	24	A Kennedy	11:30 AM
	Statistical Phylogeography: Virtues of a Unified Eclectic Perspective		A Fantastic Voyage Through the Lungs and Swimbladders of Basal Osteichthyans		An Example of Human Associated Faunal Change from a Late Quaternary Fossil Herpetofauna of New Caledonia	
		52	D Rosati			11:45 AM
			Analysis and Validation of Fin Rays for Aging Gulf Sturgeon			
LUNCH						
			LUNCH		LUNCH	12:00 PM
			GDM = ASIH Stoye Genetics, Development & Morphology			

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MODERATOR		A Kouba		J Brunner		C Luer
1:30 PM	21	M Houck	120	D Schock		
		Biobanking Amphibian Cells for Research and Conservation		Amphibian Ranaviruses in Canada - Historical, Current and Future Research Directions		
1:45 PM	187	C Figiel, Jr.	351	A Duffus	717	C Luer
		Cryopreservation of Sperm from the Axolotl <i>Ambystoma mexicanum</i>		Ranaviruses in European Amphibians		Shark Immune Cell-derived Factors Induce Apoptosis (Programmed Cell Death) in T-cell Leukemia Cells
2:00 PM	19	N Shishova	40	R Mazzoni	371	C Walker
		Cryopreservation of Sperm for Conservation of Threatened Amphibians		Current Understanding of Ranaviruses in South America		Assessing the Impacts of the Deepwater Horizon Oil Spill on Sharks Caught off the Coast of Alabama
2:15 PM			760	Y Une	274	J Kneebone
				Emergence of Ranaviruses in Japan		The Physiological Effects of Capture Stress, Recovery, and Post-release Survivorship of Juvenile Sand Tigers (<i>Carcharias taurus</i>) Caught on Rod and Reel
2:30 PM			217	S Kanchanakhan	344	L Ferry
				Ranaviruses in Frogs and Fish in Southeast Asia		Masticatory Myosin Expression in Jaw Adductor Muscles of the Chimaeroids
2:45 PM			582	T Waltzek	96	M McComb-Kobza
				Isolation of Frog Virus 3 from Pallid Sturgeon Suggests an Interclass Host Shift		Temporal Resolution and Spectral Sensitivity of the Visual System of Three Coastal Shark Species From Different Light Environments
3:00 PM				BREAK	491	J Geisler
		Discussion				Relaxin while Reproductin' II: Characterization of Relaxin Receptor-like Activity in Male Elasmobranchs
3:15 PM			46	R Marschang	466	M Porter
				Ranaviruses in European Reptiles		<i>Squalus acanthias</i> Swims using its Vertebral Column as a Spring
3:30 PM			764	M Allender	478	J Gersch
				Ranaviral Disease in Chelonians of North America		Microsatellite and Mitochondrial DNA Analyses of Genetic Structure in the Nurse Shark, <i>Ginglymostoma cirratum</i> , from the Western Atlantic Ocean
3:45 PM			134	M Allender	643	M Poortvliet
				Challenge studies of Australian Native Reptiles with a Ranavirus isolated from a Native Amphibian		Population Genetics of the Spinetail Devil Ray (<i>Mobula japonica</i>) in the Pacific Ocean
4:00 PM			183	B Bang Jensen		
				Assessing the Risk of Introducing Exotic Ranaviruses into Europe via Imports of Infected Ornamental fish from Asia		
4:15 PM			94	A Picco		
		POSTER SESSION I Minneapolis Ballroom ABCD		Amphibian Commerce and the Threat of Pathogen Pollution		POSTER SESSION I Minneapolis Ballroom ABCD
4:30 PM				Future Directions		
4:45 PM				Roundtable Discussions (Director's Row 2, 3, & 4)		
5:00 PM						
5:30 PM						
6:00 PM						
		HL Business Meeting 6-8 p.m.				

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	M Sandel		M Gibbs		R Durtsche	MODERATOR
401	J Knouft	411	H Owens - EE			1:30 PM
	Integrating Species Distribution Data with Flow Estimates from Hydrologic Model Predictions to Quantify Hydrologic Niche Characteristics of Fishes in the Mobile River Drainage		Climate Change and the Distributions of Atlantic Fishes: A Correlative Ecological Niche Modeling Approach			
468	M Raley	697	P Cochran	178	Y Sung	1:45 PM
	The Longnose Shiner, <i>Notropis longirostris</i> (Hay, 1881), as a Case Study of Mobile Vicariance Shaping Coastal Phylogeography		Field and Laboratory Observations on the Ecology and Behavior of the Chestnut Lamprey (<i>Ichthyomyzon castaneus</i>)		Impacts of Illegal Trapping on Endangered Big-headed Turtles (<i>Platystemon megalcephalum</i>) in Hong Kong	
616	P Unmack	603	C Peacock	492	J Riley	2:00 PM
	Using GIS to Predict Population Connectivity in Southwestern USA Rivers based on Continental Shelf Width		Applicability of the Flood-Pulse Paradigm to Largemouth Bass <i>Micropterus salmoides</i> in the Highly Regulated Arkansas River		Too Hot, Too Cold, or Just Right: Evaluation of a Common Turtle Conservation Technique, Nest-caging	
555	D Halas	295	B Sanchez	535	A Hathaway	2:15 PM
	Phylogeography of the Darter <i>Etheostoma lynceum</i> in the Lower Mississippi and Gulf of Mexico Coastal Drainages		A Comparison of Growth and Fecundity of <i>Paralabrax nebulifer</i> (barred sand bass) from Polluted and Unpolluted sites in Southern California		Relocating Gopher Tortoises onto a Working Cattle Ranch: How Does Available Vegetation Correlate with Burrow Placement.	
689	M Roberts	259	M Gibbs			2:30 PM
	Phylogenetic Patterns in a Crustacean Model Suggest a Shared Region-Wide Evolutionary History Shaping the Coastal Southeastern United States		Age and Growth Patterns of the Loricariid <i>Pterygoplichthys disjunctivus</i> , in Volusia Blue Spring, Florida			
483	C Thawley	349	C Little			2:45 PM
	Phylogeography and Invasive Spread of Two Cuban Anurans in the Southeastern United States		Analysis of Habitat Utilization and Reproductive Potential of Atlantic Sturgeon, <i>Acipenser oxyrinchus</i> , in the Saco River, ME			
138	M Hayes	569	J Barkstedt			3:00 PM
	From the Bottom to the Top: Comparative Phylogeography of Two Gulf Coastal Plain FFshes		The Downstream Effects of Fish on Ecosystem Structure and Function			
337	L Alberici da Barbiano	428	J Matillano - GI			3:15 PM
	Phylogeography of a Unisexual-Bisexual Mating System		Biodiversity of Cyprinids in Northern Palawan, Philippines			
766	J Williams	240	J Schaefer			3:30 PM
	Pleistocene River Drainages of Florida: Evidence from Fossil Fish and Mussels		Patterns of variability in topminnow (<i>Fundulus</i>) developmental time not accounted for by size or temperature			
	Panel Discussion					3:45 PM
	POSTER SESSION I Minneapolis Ballroom ABCD					4:00 PM
						4:30 PM
						5:00 PM
						5:30 PM
						6:00 PM
			EE = ASIH Stoye Ecology & Ethology			
			GI = ASIH Stoye General Ichthyology			

2011 Joint Meeting (JMIH), Minneapolis, MN
BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 9 JULY, Morning Sessions

ROOM	Minneapolis Ballroom E		Minneapolis Ballroom F		Minneapolis Ballroom G	
SESSION/ SYMPOSIUM	Turtle Ecology & Morphology		Fish Evolution		AES Gruber II	
MODERATOR	B Kingsbury		P Chakrabarty		M Porter	
8:00 AM	263	C Swarth	609	L Sorenson - GI		
		Sex and Age Differences in Home Range and Habitat Use of Eastern Box Turtles (<i>Terrapene carolina carolina</i>)		Accommodating Incomplete Sampling in Shark Macroevolution		
8:15 AM	449	J McGuire	70	P Chakrabarty	427	D Kacev
		Mating System, Male Reproductive Success, and Population Connectivity of Blanding's Turtles (<i>Emydoidea blandingii</i>)		Genotypes: A Concept to Help Integrate Molecular Systematics and Traditional Taxonomy		Characterizing Genetic Diversity of Two Species of Pelagic Shark
8:30 AM	479	N Valenzuela	341	D Roje - GI	670	J Ashe
		The Lesser Known Challenge of Climate Change: Thermal Variance and Sex-Reversal in Vertebrates with Temperature-Dependent Sex Determination		Evaluating the Effects of Non-neutral Molecular Markers on Phylogeny Estimation: Should We be Using Rhodopsin to Infer Fish Relationships?		Testing predictions of the "natal homing hypothesis" for sharks, using lemon sharks (<i>Negaprion brevirostris</i>) in the Western Atlantic as a model species.
8:45 AM	578	B Kingsbury	579	G Orti	271	C Chabot
		Factors Inducing Emergence from Over-Wintering for the Eastern Box Turtle, <i>Terrapene carolina</i>		Ostariophysan Phylogeny: Characiformes and Siluriformes are Sister Taxa		The Resurrection of <i>Galeorhinus zyopterus</i> in the Northeastern Pacific and its Global Congenerics Based on Genetic, Life-history, and Morphological Evidence
9:00 AM	123	S Turk	265	S Ferdous - GI	87	J Knuckey
		Patterns of Formation, Chondrification, and Ossification of the Cranial and Postcranial Skeleton of <i>Graptemys koharii</i> (Emydoidea)		Geometric Morphometrics as a Tool to Elucidate Phylogenies		<i>Etmopterus</i> sp. nov., a New Species of Lanternshark (Squaliformes: Etmopteridae) From Taiwan
9:15 AM	287	G Rivera	106	F Uiblein	748	A Gallagher
		Habitat-associated Trade-off between Mechanical Strength and Hydrodynamic Efficiency of Shell Shape in the Freshwater Turtle <i>Pseudemys concinna</i>		On the Evolution of Colour Patterns in the Ophidiid Genus <i>Neobythites</i>		Stressed-out: Species-Specific Responses to Angling Pressure Among Various Coastal Sharks
9:30 AM	779	G Guillen	BREAK - Minneapolis Ballroom ABCD			
		Multi-scale Temporal and Spatial Patterns in Movement and Habitat Utilization by the Diamondback Terrapin, <i>Malaclemys terrapin littoralis</i> , as determined by Radio and Acoustic Telemetry				
9:45 AM						
SESSION/ SYMPOSIUM	Herp Conservation		Fish Evolution		AES Gruber II	
MODERATOR	D Mushet		K Piller		E Heist	
10:00 AM			97	C McMahan - GI	260	M Winton
				Investigating the Tempo of Diversification among Major Cichlid Lineages		Comparative demography of two populations of the roughtail skate, <i>Bathyraja trachura</i> (Gilbert, 1892), in the eastern North Pacific
10:15 AM	292	C Adkins Giese	620	D Bloom - GI	627	J McKinney
		Protecting Herpetofauna Under the Endangered Species Act		Does Habitat Control Lineage Diversification Rates? A Test Using Molecular Phylogeny and Biogeography of Silversides (Atherinopsidae)		Predicting Suitable Habitat for Whale Shark, <i>Rhincodon typus</i> , Aggregations in the Northern Gulf of Mexico
10:30 AM	707	P Bishop	385	D Stevenson	588	K Dove
		The Amphibian Survival Alliance (ASA) Jumps into Action		A revision of the Caristiidae		The Presence of Great White Sharks: Associations with Environmental Factors
10:45 AM	107	D Mushet	378	A Thomson - GI	724	A Kroetz
		The Effects of USDA Conservation Programs on Northern Leopard Frog Habitat Suitability in North Dakota		Molecular Phylogenetics of the African Catfish Family Amphiliidae (Teleostei: Siluriformes)		Ecology of Bonnetheads (<i>Sphyrna tiburo</i>) in the Northern Gulf of Mexico
11:00 AM	703	A Sacerdote	200	K Piller	536	C Eddy
		Assessment of Amphibian Community Structure Following Flatwoods Wetland Restoration		Evolutionary Diversification of Shape Disparity in New World Silversides (Atherinopsidae)		The Life History and Feeding Ecology of the Galapagos Shark (<i>Carcharhinus galapagensis</i>) in the Waters off Bermuda
11:15 AM	451	D LeGros	459	D Lumbantobing - GI	35	K James
		Logging Roads, Road Effects and Mitigation Techniques for Amphibians in a Central Ontario Forest		Morphology and Molecules in the Phylogenetic Study of the Genus <i>Rasbora</i> sensu lato (Teleostei: Cyprinidae)		Life History Characteristics of the Starry Skate, <i>Raja stellulata</i> , from the eastern North Pacific.
11:30 AM	447	G Burghardt	422	B Higgins - PPE	103	A Nosal
		Snakes and Conservation: Do Monkeys Provide Lessons?		Feeding Meets Reproduction: Jaw Mechanics and Dietary Breadth in the Beach-spawning California Grunion (<i>Leuresthes tenuis</i>) and its Atherinopsine Relatives (Teleostei: Atherinopsidae)		Aggregation Behavior of the Leopard Shark (<i>Triakis semifasciata</i>) Associated with the Head of La Jolla Submarine Canyon, San Diego County, California
11:45 AM	759	D Martin			105	B Legare
		Forensic Identification of Reptile Species Using Scale Morphology				Site Fidelity, Residency, and Movements of Juvenile Blacktip (<i>Carcharhinus limbatus</i>) and Lemon (<i>Negaprion brevirostris</i>) Sharks in Nursery Areas of St John, USVI
12:00 PM	LUNCH		LUNCH		LUNCH	
				GI = ASIH Stoye General Ichthyology PPE = ASIH Stoye Physiology & Physiological Ecology		

2011 Joint Meeting (JMIH), Minneapolis, MN
BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 9 JULY, Morning Sessions

	<i>Symphony III</i>		<i>Symphony I & II</i>		<i>Conrad B & C</i>	<i>ROOM</i>
	Fish Conservation		Snake Morphology		No Session Scheduled	SESSION/ SYMPOSIUM
	M Steele		S Trauth			MODERATOR
646	M Steele	386	B Young			8:00 AM
	A Comparison of Growth, Reproduction, and Tissue Production of Temperate Reef Fishes on Artificial and Natural Reefs		Propulsive Mechanics during Swimming in Water Monitors (<i>Varanus salvator</i>)			
215	K Longenecker	261	P Nicodemo			8:15 AM
	Population Characteristics of Exploited Fishes from Hawaii's Mesophotic (50-100 m) Coral Ecosystems		Longitudinal Variation in the Axial Muscles of Snakes			
228	B Fluker - GDM	75	S Trauth			8:30 AM
	Spring-adapted Species as a Model for Understanding the Genetic Consequences of Aquatic Habitat Fragmentation		Proximal Genital Ducts and Their Ultrastructural Characteristics in Male Flathead Snakes (<i>Tantilla gracilis</i>)			
608	M Bessert	696	N Clarke			8:45 AM
	Brook Trout (<i>Salvelinus fontinalis</i>) in the Northern Driftless Area: Are There Any Natives Left?		The Physics Behind the Shape of Venom-Conducting Fangs in Snakes			
63	A Kinziger	407	M Davis			9:00 AM
	Small founding number and low genetic diversity in an introduced species exhibiting limited invasion success (speckled dace, <i>Rhinichthys osculus</i>)		Head shape and its contribution to the phylogenetic resolution of the Western Rattlesnake Complex (<i>Crotalus viridis</i> and <i>C. oreganus</i>)			
93	M Schwemm	589	M Smith			9:15 AM
	Conservation implications of fragmentation of the threatened Leopard Darter, <i>Percina pantherina</i>		Is the Trophic Morphology of Snakes Inducible by Variation in Prey Size and Abundance?			
BREAK - Minneapolis Ballroom ABCD						9:30 AM
	Fish Conservation		Herp Reproductive Biology		No Session Scheduled	SESSION/ SYMPOSIUM
	S Bortone		R Aldridge			MODERATOR
316	S Welsh	13	D Siegel			10:00 AM
	Migration and Dam Passage of Yellow-Phase American Eels in the Shenandoah River of the Potomac River Drainage, USA.		The Function of the Sexual Collecting Ducts in <i>Notophthalmus viridescens</i>			
484	A George	177	M Alam			10:15 AM
	Spring Habitat Restoration in the Conasauga River Drainage for an Endemic Darter		Reproductive Isolating Mechanisms and Genetic Divergences in the Genus <i>Hoplobatrachus</i> (Anura, Dicroglossidae) Based on Crossing Experiments, Chromosomal and Histological Observations, and Allozyme and Mitochondrial Analyses			
306	L Dirk	727	E Love			10:30 AM
	Interim Fish Community Response of the Kissimmee River Restoration		A Co-evolutionary Mismatch Between Signaler Behavior and Receiver Preference in Noise in Cope's Gray Treefrog (<i>Hyla chrysoscelis</i>)			
746	A Akama	747	A Vélez			10:45 AM
	Damming the Amazon: Impacts on Fish Fauna		Finding a Mate at a Cocktail Party: Dip-listening Improves Acoustic Mate Recognition in Cope's Gray Treefrogs			
751	G Galland - EE	211	C Lenhart			11:00 AM
	Historical Ecology and Conservation of Blennioid Fishes in the Gulf of California, Mexico		Impact of Prolonged High Summer Streamflow Duration on Turtle Nesting Success in Minnesota Rivers			
154	S Bortone	101	R Aldridge			11:15 AM
	Research Status Following the BP Deepwater Horizon Oil Spill		Frequency of Prenuptial and Postnuptial Spermatogenesis in Snakes and Lizards			
605	B Sanzenbacher	393	J Krenz			11:30 AM
	WhyReef: A Scientifically Accurate Digital Game Designed to Teach Youth About the Diversity and Ecology of Coral Reefs		Multiple Paternity in Common Five-lined Skinks			
144	B Froeschke - EE	563	M Pilgrim			11:45 AM
	Comparison of Spatio-temporal Predictive Models for Juvenile Southern Flounder (<i>Paralichthys lethostigma</i>) along the Northern Gulf of Mexico using Boosted Regression Trees and Artificial Neural Networks		Secondary Sex Ratios in Six Snake Species			
LUNCH						12:00 PM
	EE = ASIH Stoye Ecology & Ethology		GDM = ASIH Stoye Genetics, Development, Morphology			

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BREAK-OUT SESSIONS AT A GLANCE
SATURDAY, 9 JULY, Afternoon Sessions

ROOM		Minneapolis Ballroom E		Minneapolis Ballroom F		Minneapolis Ballroom G
SESSION/ SYMPOSIUM		Herp Physiology		AES Ecology		AES Reproduction & Morphology
MODERATOR		S Beaupre		G Skomal		J Gelsleichter
1:30 PM	524	J Stephens	278	G Skomal		
		Phenotypic Responses of Amphibian Larvae to Prolonged Predatory Cues are Associated with Chronically Elevated Levels of Stress Hormone		Implications of Increasing Pinniped Populations on the Diet and Abundance of White Sharks off the Coast of Massachusetts		
1:45 PM	461	M Gifford	720	A Tilley	301	A Yamaguchi
		Potential Impact of Climate Change on Competing Salamander Species in the Southern Appalachian Mountains		Functional Ecology of the Southern Stingray (<i>Dasyatis americana</i>) in a Tropical Shallow Reef System		Reproductive Biology of Shortspine Spurdog, <i>Squalus mitsukurii</i> , around Ishigaki Island, Okinawa, Japan
2:00 PM	677	A Gunderson - PPE	15	M Belleggia	498	E Hoffmayer
		Geographic Variation in the Thermal Ecology and Physiology of <i>Anolis cristatellus</i> and its Implications in a Changing World		Long Term Changes in the Spiny Dogfish (<i>Squalus acanthias</i>) Trophic Role in the Southwestern Atlantic		Reproductive Biology of the Atlantic Sharpnose Shark, <i>Rhizoprionodon terraenovae</i> , in the Northern Gulf of Mexico
2:15 PM	72	M Ballen	322	L Leclerc	600	L Bade
		Sex-specific Basking and Activity Effects on Lizard Superoxide Levels: High Superoxide Levels in Hot Females and Cool Males		Analyses of Gastro-intestinal Tracts of Greenland Sharks (<i>Somniosus microcephalus</i>) from Svalbard, Norway		Asymmetric Development of the Female Reproductive Tract in Elasmobranchs: A Comparative Analysis of Modes of Reproduction and Life History Traits
2:30 PM	381	J Amiel - PPE	305	P Matich	350	L Williams
		Temperature Dependent Control of Blood Distribution in Snakes		Ontogenetic Shift in the Habitat Use and Diet of Juvenile Bull Sharks in a Coastal Estuary		An Assessment of Seasonal and Individual Variation in Reproductive Hormones from a Captive Population of Female Little Skates
2:45 PM	629	K McCann	155	B Neifert	320	B Prohaska
		Analyzing a Predator-Prey Interaction: Muscular Performance in Boas (<i>Boa constrictor</i>) and Cardiovascular Response in Rats during Constriction		A Comparison of Tooth Breakage Rates in Miocene Carcharhinid Sharks from the Carmel Church Quarry, Caroline County, VA		Utilization of Steroid Hormones Extracted from the Skeletal Muscle Tissue of the Little Skate (<i>Rajia erinacea</i>) and the Spiny Dogfish (<i>Squalus acanthias</i>) to Determine Reproductive Status
3:00 PM	526	M Holding - PPE	443	N Hussey	268	A Stoehr
		Altered Navigational Demands Induce Changes in the Cortical Brain Region of Free-ranging Northern Pacific Rattlesnakes (<i>Crotalus o. oreganus</i>)		Stable Isotope Dynamics in Elasmobranchs: Methods and Assumptions		Hyoid and Pharyngeal Arch Mechanics during Prey Processing in Elasmobranchs
3:15 PM	99	A Wilmes	345	H McCann	283	C Riley
		Identification of the Female Sex Pheromone in the African Brown House Snake, <i>Lamprophis fuliginosus</i>		Trophic Ecology and Movement Dynamics of South African White Shark (<i>Carcharodon carcharias</i>) Inferred from Stable Isotope Profiles in Vertebræ		Ontogenetic Pattern of Mineralization in the Thorny Skate (<i>Amblyraja radiata</i>)
3:30 PM	413	C Murray	347	S Hinojosa- Alvarez	118	P Motta
		Salinity and Alligator Egg Shape Variation: A Geometric Morphometric Analysis		Trophic Ecology of Giant Manta (<i>Manta birostris</i> , Walbaum 1792) using stable isotopes of $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ in the Northeast of the Yucatan Peninsula		Placoid Scale Morphology, Erection and Function in The Shortfin Mako <i>Isurus oxyrinchus</i>
3:45 PM	516	T Markle - PPE	679	W Smith	680	J Hendon
		Ecophysiological Analysis of Species Variation in Geographic Range Size		The Effects of Temperature, Growth, and Water Concentration on the Elemental Composition of Elasmobranch Vertebræ		Evidence of a Second Rhinoptera Species Inhabiting the Northern Gulf of Mexico
4:00 PM		POSTER SESSION II Minneapolis Ballroom ABCD				AES Business Meeting 4 - 6 p.m.
4:30 PM						
5:00 PM						
5:30 PM						
6:00 PM		SSAR Business Meeting 6 - 8 p.m.				
		PPE = ASIH Stoye Physiology & Physiological Ecology				

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	<i>Symphony III</i>		<i>Symphony I & II</i>		<i>Conrad B & C</i>	<i>ROOM</i>
	Fish Biogeography & Phylogeography		Reptile Evolution & Systematics		No Session Scheduled	SESSION/ SYMPOSIUM
	D Portnoy		H Shaffer			MODERATOR
294	R Stearley	475	H Shaffer			1:30 PM
	Neogene Fossil Onchorhynchus of Western Nevada and the Paleobiogeography of Cutthroat Trout		How Old are the Living Turtles?			
379	D Portnoy	481	B Martin			1:45 PM
	Evidence of a Surprisingly Recent Vicariant Event in a Geologically Active Suture-Zone in the Gulf of Mexico		Range-wide Molecular Phylogenetics of the North American Box Turtles (Terrapene)			
190	M Tipton - GI	548	R Glor			2:00 PM
	Phylogeography of the Eastern Blacknose Dace, Rhinichthys atratulus		Phylogenetics and Diversification of Anolis Lizards			
303	J DiBattista	755	J Schulte			2:15 PM
	Phylogeographic Patterns in Two Related Indo-Pacific Butterflyfish, Chaetodon meyeri and Chaetodon ornatissimus, Reveal Insights Into Evolutionary History		Overestimation of Bayesian Credibility Values with Nuclear DNA Data: An Example Using Liolaemini Lizards			
405	W Ludt	587	T Gamble			2:30 PM
	Sea Level Fluctuations and Genetic Diversity in Two Habitats: Comparisons of Two Lagoon and Two Seaward Reef Wrasses (Genus: Halichoeres)		Geckos as a Model Clade to Study the Evolution of Sex Determining Mechanisms			
403	M Bernal	624	T Jackman			2:45 PM
	Phylogeography of Halichoeres claudia and Halichoeres ornatissimus: New Insights on Patterns of Population Connectivity across the Central-West Pacific		Phylogenetic Relationships of the "Gehyra Group" Geckos			
165	A Ackiss	343	M Heinicke			3:00 PM
	Corroborated Phylogeographic Breaks Across the Coral Triangle: Population Structure in the Redbelly Fusilier, Caesio cuning		Phylogeny and Patterns of Diversification in the Pachydactylus Group (Gekkota: Gekkonidae)			
252	L Rüber	25	B Hedges			3:15 PM
	Patterns and Processes of Evolutionary Diversification in Snakeheads		Blindsnake Evolution: Tracing the Deep History and Biogeography of a Mega-Radiation of Burrowing Snakes			
652	P Hollanda Carvalho	36	J Marin			3:30 PM
	Speciation in the Upper Parana River as Exemplified by the Hypostomus ancistroides (Siluriformes, Loricariidae) Complex		Blindsnake Evolution: Tracing the History and Biogeography of an Australian Radiation			
216	F Martin	613	R Thomas			3:45 PM
	Exploring Recent Range Changes for Some Stream and Marsh Fishes on the Texas Coastal Prairie		Blindsnake Evolution: The Blindsnakes of Hispaniola (Typhlopidae and Leptotyphlopidae)			
	POSTER SESSION II					4:00 PM
	Minneapolis Ballroom ABCD					4:30 PM
						5:00 PM
						5:30 PM
						6:00 PM
	NIA Meeting 6-8 p.m.		GI = ASIH Stoye General Ichthyology			

**2011 Joint Meeting (JMIH), Minneapolis, MN
BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 10 JULY, Morning Sessions**

ROOM	Minneapolis Ballroom E		Minneapolis Ballroom F		Minneapolis Ballroom G	
SESSION/ SYMPOSIUM	Amphibian Evolution		Fish Behavior		AES Conservation & Management	
MODERATOR	R Lovich		T Donaldson		K Weng	
8:00 AM		577	J Balaban	708	D Marancik	
			Burrowing Behavior of the Pacific Sand Lance		Elasmobranch Infestations by the Marine Leech <i>Branchellion torpedinis</i> in Aquarium Settings	
8:15 AM	740	J Rearick - GH	440	K Staab	590	L Jordan
		Evolution of Freeze Tolerance in Anurans	Do Convergent Means of Premaxillary Protrusion Produce Similar Flow Regimes during Suction Feeding?		Behavioral Responses to Weak Electric Fields and a Lanthanide Metal in Two Shark Species	
8:30 AM	733	R Brown	687	R Oldfield	659	K Weng
		Phylogenetic Analysis of Community Structure in Melanesian Forest Frogs	Expression of Arginine Vasotocin and V1a Receptor in the Brain is Higher in a Polygamous Fish Species than in a Closely Related Monogamous Species		Connectivity of US and Mexican White Shark Populations in the Eastern Pacific	
8:45 AM	713	D Páez-Moscoso	622	J Hoover	412	S Pardo
		Diversity and Speciation Patterns in the Andean Genus <i>Osornophryne</i> (Anura: Bufonidae)	Physical Training and Swimming Performance of Juvenile Sturgeon (<i>Acipenser</i> spp.)		Does it Fit? Choice of Growth Model can Bias Vulnerability Estimates in Sharks	
9:00 AM	710	A Mengistu	594	E Clark	635	R Scharer
		Phylogeography of <i>Leptopelis</i> and <i>Ptychadena</i> (Anura, Amphibia) in the Ethiopian Highlands: Implications for Taxonomy and Conservation	Group Nesting Sites of the Ocean Triggerfish, <i>Canthidermis maculatus</i> , in the Solomon Islands and Thailand		Examination of Smalltooth Sawfish Life History in South Florida via Vertebral Aging and Laser Ablation ICPMS Analysis	
9:15 AM	188	J Santos	104	T Donaldson	531	D Bethea
		Evolution of Aposematism and Scale in Poison Frogs	Periodicity of Spawning Aggregation Formation and Function of the Triggerfish <i>Balistoides viridescens</i> (Balistidae)		Environmental Effects on the Recruitment of Smalltooth Sawfish, <i>Pristsis pectinata</i> , in Southwest Florida, USA	
9:30 AM	BREAK - Minneapolis Ballroom ABCD					
SESSION/ SYMPOSIUM	Amphibian Ecology		General Ichthyology		AES Conservation & Management	
MODERATOR	P Bartelt		B Sidlauskas		N Dulvy	
10:00 AM	64	B Brodman	191	M Cashner	728	N Dulvy
		Do Local Amphibians Believe in Climate Change?	Muddy Waters: Investigation of the Morphological and Genetic Variation Among Populations of <i>Notropis lutipinnis</i> and <i>N. chlorocephalus</i> (Subgenus <i>Hydrophlox</i>)		Global Shark Abundance before Fishing	
10:15 AM	80	A Bagwill - EE	262	E Hilton	521	J Froeschke
		Effects of Land Use on Playa Wetlands and Amphibian Populations in the Southern High Plains	Osteology and Ontogeny of the Wrymouth <i>Cryptacanthodes maculatus</i> and the Dwarf Wrymouth <i>C. aleutensis</i> (Perciformes: Zoarcoidei: Cryptacanthodidae)		Long-term Demographic Trends of Coastal Sharks in the Northern Gulf of Mexico: Evidence of Increasing Trends	
10:30 AM	448	P Bartelt	441	T Clardy - GI	255	A Cosandey Godin
		Response of Amphibians to Restored Wet Prairies on an Agricultural Landscape: Preliminary Results	Using Fractals to Describe Morphology and Ontogeny of the Trunk Lateral Line Canals of the Prickleback Genus <i>Xiphister</i> (Cottiformes: Zoarcoidei: Stichaeidae), with Comparisons to other Stichaeids		Little effect of circle hooks on elasmobranch catch and at-vessel mortality in pelagic longline fisheries	
10:45 AM	653	T Baldwin	56	A Lautredou	55	A Dell'Apa
		Survivorship and the Influence of Varying Spatial Environmental Factors on Spotted Salamander, <i>Ambystoma maculatum</i> , Egg Masses in Northern Alabama	Exploring the relationships among Serraniformes (Teleostei)		Comparative Analysis of Elasmobranch Vs Fish Landings in Italy Within the Frame of the Law 41/82: Consequences for Elasmobranch Fishery Management	
11:00 AM	225	W Sutton	771	H Howell	445	S Gulak
		Differences in Microhabitat Use among Life Stages of the Japanese Giant Salamander	Variation in the Tombigbee Darter (<i>Etheostoma lachneri</i>) Species Complex		Preliminary Movements and Habitat Use of Dusky Shark, <i>Carcharhinus obscurus</i> , in the Northwest Atlantic Ocean Based on Archival Satellite Tags	
11:15 AM	380	J MacNeil	280	B Sidlauskas	91	R McPhie
		The Effects of Timber Harvests on Terrestrial Salamanders	How We Learned to Stop Worrying and Love the Fire Marshal: A Practical Guide to Saving an Ichthyology Collection		Have You Seen This Shark? Successes and challenges in monitoring the endangered Basking Shark (<i>Cetorhinus maximus</i>) in British Columbia waters through a Sightings Network	
11:30 AM	318	R Lehtinen			510	M McCallister
		Five Years of Life on the Edge: Results from a Long-Term Monitoring Program for Blanchard's Cricket Frog (<i>Acris blanchardi</i>)			A Survey of the Shark Fauna in Northeast Florida Estuaries: Abundance, Distribution, and Identification of Potential Nursery Habitat	
11:45 AM	184	P Colombo				
		Geographic and Individual Variation in Alkaloid-Based Chemical Defenses of the Red Bellied Toad <i>Melanophryniscus simplex</i> (Caramaschi and Cruz, 2002) (Anura, Bufonidae)				
12:00 PM	LUNCH		LUNCH		LUNCH	
	GH - ASIH Stoye General Herpetology EE = ASIH Stoye Ecology & Ethology		GI = ASIH Stoye General Ichthyology			

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SUNDAY, 10 JULY, Morning Sessions

	<i>Symphony III</i>		<i>Symphony I & II</i>		<i>Conrad B & C</i>	<i>ROOM</i>
	Legler Turtle Symposium		Herp Ecology		No Session Scheduled	SESSION/ SYMPOSIUM
	R Vogt		B Greene			MODERATOR
		145	H Mushinsky			8:00 AM
			The Value of Enclosures when Studying Cryptic Species			
	Introduction	550	A Shearin			8:15 AM
			Automated Audio Recording Devices: Implications for Listener-Based Amphibian Surveys in Maine (USA)			
175	J Legler	636	L Bieber-Ham			8:30 AM
			Using Camera Traps to Detect Hatchling Turtle Predators in Pennsylvania			
	Turtles: A Paradigm of Versatility and Venerability	179	A Reedy			8:45 AM
			Maternal Nest-site Choice in the Lizard <i>Anolis sagrei</i> : A Unique Research-based Educational Model for Youth at an Urban High School			
219	J Bull	564	M Mills			9:00 AM
	Recollections of a Failed Turtle Biologist		Population Ecology of Turtles on the Campus of Missouri Western State University: Year Two			
130	E Moll	17	J Roe			9:15 AM
	Field Biology Legler Style		Predicting Hotspots of Interaction Between Leatherbacks and Fisheries in the Pacific Ocean			
BREAK - Minneapolis Ballroom ABCD						
	Legler Turtle Symposium		Herp Ecology		No Session Scheduled	SESSION/ SYMPOSIUM
	R Vogt		B Halstead			MODERATOR
400	D Bramble	146	C Montgomery			10:00 AM
			Body Size, Growth, and Demography in the Dwarf Boa constrictor in the Cayos Cochinos Archipelago, Honduras			
	Earthquakes and Ears: Interpreting the History of the North American Gopher Tortoises	111	B Halstead			10:15 AM
			Abundance and Survival of the San Francisco Gartersnake in Coastal San Mateo County, California			
346	R Winokur	489	P Jones			10:30 AM
			Rangewide Analysis of Eastern Massasauga Survivorship			
	The Chelonian Skin - More Variable than You Thought	551	B Greene			10:45 AM
			Demography of the Cottonmouth (<i>Agkistrodon piscivorus</i>) near the Northwest Range Limit			
408	M Nielsen	559	G Carfagno			11:00 AM
			Snakes in the Fast Lane: Thermal Strategies of Racers (<i>Coluber constrictor</i>)			
	Comparative Analysis of Aquatic and Terrestrial Walking Morphologies within the Order Testudines	553	P Hampton			11:15 AM
			Macroecological Patterns Associated with Diet Breadth in Snakes			
150	J Berry	496	A Rosenblatt - PPE			11:30 AM
	Why are there So Many Species of Kinosternon in Mexico?		Isotope Turnover Rates in Multiple Tissues of the American Alligator			
79	J Christiansen	44	M Tellez			11:45 AM
	Kinosternon flavescens in the Upper Mississippi Valley and Arid West Texas, a Comparison		The interaction of Alligator mississippiensis and its Helminth Parasites			
LUNCH						
			LUNCH		LUNCH	12:00 PM
			PPE = ASIH Stoye Physiology & Physiological Ecology			

2011 Joint Meeting (JMIH), Minneapolis, MN
BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 10 JULY, Afternoon Sessions

ROOM		<i>Minneapolis Ballroom E</i>		<i>Minneapolis Ballroom F</i>		<i>Minneapolis Ballroom G</i>
SESSION/ SYMPOSIUM		Herp Biogeography & Phylogeography		Fish Ecology, Diversity & Conservation		AES Open Mic
MODERATOR		J Pechmann		S Liston		
1:30 PM	27	M Eckstut - GH	406	H Keller - EE		
		PACT Protocol Modifications to Reduce Pseudo-congruence, Distinguish Unique from General Patterns, and Facilitate Likelihood Reconstruction: A Case Study of Five Lineages of North American Warm Desert Reptiles and Amphibians		Trophic Study of Oilfish (<i>Ruvettus pretiosus</i>), Escolar (<i>Lepidocybium flavobrunneum</i>), Snake Mackerel (<i>Gempylus serpens</i>), and Lancefish (<i>Alepisaurus</i> spp.) in the Gulf of Mexico and Western North Atlantic Using Stomach Con		
1:45 PM	142	D Adams	302	E Loury - EE		
		Spurious Body Size Clines and Methodological Artifacts from Grid-cell Assemblages: Pattern and Process in Biogeography		Diet of the Gopher Rockfish (<i>Sebastes camatus</i>) Inside and Outside of Marine Protected Areas in Central California		
2:00 PM	508	A Luxbacher	523	S Liston		
		Inferring Past Demographic Patterns of the Montane Salamander, <i>Plethodon jordani</i>		Fish in Forests: Seasonal Dynamics of South Florida's Freshwater Forested Wetland Fish Communities		
2:15 PM	731	J Pechmann	705	C Baldwin		
		Trends in a <i>Plethodon</i> Hybrid Zone Along an Elevational Gradient in the Southern Appalachians from 1976-2010		Exploring Deep-Reef Fishes off Curacao		
2:30 PM	357	D Shepard	16	L Parenti		
		Local-scale Environmental Variation Generates Highly Divergent Lineages Associated with Stream Drainages in a Terrestrial Salamander, <i>Plethodon caddoensis</i>		Discovery and Description of an Endemic Freshwater Fish Biota in Southeastern Sulawesi, Indonesia		AES Open Mic
2:45 PM	314	J Deitloff	235	B Collette		
		Hemipenes vs. Dewlaps: Which Morphological Characters Can be Used to Delineate Species in Anoles?		Red Listing Tunas and Billfishes		
3:00 PM	389	H Heinz	152	S Henkanaththegedara		
		Comparative Phylogeography of two Wide-ranging Geckos: Cryptic Species in Southern Africa		Intraguild Predation Mediates Co-existence of Native and Invasive Fish		
3:15 PM	370	J Placyk	20	R Colombo		
		Historical Perspective Suggests the Hybrid Zone Between Two Snakes of Conservation Concern is an Important Natural Interaction		Effects of Habitat Restoration on Stream Fish Assemblages in a Midwestern Stream		
3:30 PM	162	T Farrell	597	J Drew		
		Museum Specimen Records Indicate the Timber Rattlesnake is Expanding its Geographic Range in Florida		Conservation Connection: Using Digital Games and Social Media to Teach Coral Reef Biology and Conservation across the Pacific		
3:45 PM	767	C Brochu	317	W Matthews		
		The Giant Horned Crocodiles that Ate Our Ancestors and Their Phylogenetic and Biogeographic Implications		Flood of the Century in Piney Creek – it Happened Again!		
4:00 PM		POSTER SESSION III Minneapolis Ballroom ABCD				
4:30 PM						
5:00 PM						
5:30 PM						
6:00 PM						
		GH = ASIH Stoye General Herpetology		EE = ASIH Stoye Ecology & Ethology		

2011 Joint Meeting (JMIH), Minneapolis, MN
BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 10 JULY, Afternoon Sessions

	<i>Symphony III</i>		<i>Symphony I & II</i>		<i>Conrad B & C</i>	<i>ROOM</i>
	Legler Turtle Symposium		Invasive Species		No Session Scheduled	SESSION/ SYMPOSIUM
	M Pappas		R Reed			MODERATOR
541	W Brown	195	G Perry			1:30 PM
	Work on Terrapene coahuila after the T. omata Model of John M. Legler (1960) and Evidence of Habitat Loss over a 37-year Period (1965-2002)		Introduced Amphibians and Reptiles in the Greater Caribbean: Patterns and Conservation Implications			
243	R Vogt	249	D Preston			1:45 PM
	Communication in Turtles		Community Ecology of Invasions: Direct and Indirect Effects of Aquatic Invaders from Multiple Trophic Levels			
		198	D Saenz			2:00 PM
			Sub-lethal Effects of Chinese Tallow Leaf Litter on Aquatic Amphibians			
761	S Doody	143	C Adams			2:15 PM
	How Social are Turtles?		Chinese Tallow (<i>Triadica sebifera</i>) Reduces Anuran Hatching Success and Hatchling Size			
241	J Moriarty	756	C Hickman - EE			2:30 PM
	Commercial Turtle Harvesting on the Upper Mississippi River		Indirect Effects of an Invasive Shrub (<i>Lonicera maackii</i>) on Larval Amphibians			
474	M Pappas	171	H Waddle			2:45 PM
	Tactics of Nesting and Patterns of Hatchling Orientation in 8 species of Backwater Wetland and River Turtles during Nest Dispersal in an Upper Mississippi River Floodplain		Brown Anole Presence Reduces Occupancy of Green Anoles in Southern Florida Natural Areas			
		312	M Dorcas			3:00 PM
			Dramatic Declines in Mid-Sized Mammal Abundance Coinciding With Proliferation of Invasive Burmese Pythons in Southern Florida			
173	S Freedberg	88	P Andreadis			3:15 PM
	Sex Determination and Hatchling Orientation of Snapping and Blanding's Turtles in Agricultural Fields		Python Spoor in Southwest Florida: Demographic and Behavioral Insights			
		651	C Romagosa			3:30 PM
			Canine Detection as a Potential Tool for Python Management in Florida			
	Q & A	623	R Reed			3:45 PM
			Individual and Demographic Responses to Simulated Elevated Prey Densities in Brown Treesnakes (<i>Boiga irregularis</i>) on Guam			
	POSTER SESSION III					4:00 PM
	Minneapolis Ballroom ABCD					4:30 PM
						5:00 PM
						5:30 PM
	ASIH Business Meeting					
	6 - 8 p.m.					6:00 PM
	EE = Stoye Ecology & Ethology					

**2011 Joint Meeting (JMIH), Minneapolis, MN
BREAK-OUT SESSIONS AT A GLANCE
Monday, 11 JULY, Morning Sessions**

ROOM		<i>Minneapolis Ballroom E</i>		<i>Minneapolis Ballroom F</i>		<i>Minneapolis Ballroom G</i>
SESSION/ SYMPOSIUM		Herp Ecology		Fish Evolution, Phylogeny & Systematics		Fish Physiology
MODERATOR		M Donnelly		P Wainwright		R Oldfield
8:00 AM	453	J Church	298	P Wainwright		
		Putting the Niche into Macroecology: The n-dimensional Hypervolume, Limiting Similarity and Population Ecology in Plethodon Salamander Communities		Living on Reefs Promotes Faster Evolution of Feeding and Locomotor Traits in Haemulid Fishes		
8:15 AM	663	R Russell	98	M Davis		
		Stable Isotopic Relationships Among Forest Salamanders		Is Sexual Selection Driving Diversification of the Bioluminescent Ponyfishes (Teleostei: Leiognathidae)?		
8:30 AM	418	V Maccachero	266	C Borden	695	C Kehrer
		Amphibians and Reptiles at Ponds at the La Selva Biological Station, Costa Rica: Assemblage Variation through Space and Time		Paracanthopterygii Revisited: An Assessment Based on Molecular and Morphological Data		The Extra-Ocular Muscles as a Possible Heat Source for Cranial Endothermy in Lamnid Sharks
8:45 AM	736	B Cnobia	193	G Lecointre	435	S Macks
		Tracking and Comparing Reptile and Amphibian Species Accumulation Over Year Long and Ten-year-long Surveys in a Diverse Amazonian Protected Area (Tambopata National Reserve, Madre De Dios, Peru)		Acanthomorph (Teleostei) Phylogeny and Classification		The Effects of Temperature on the Reproductive Behavior and Metabolic Rates of the Dwarf Seahorse (<i>Hippocampus zosterae</i>)
9:00 AM	774	N Robinson	488	T Near	682	L O'Boyle
		Effect of Population Demographics on the Nesting Phenology of the Leatherback Turtle (<i>Dermochelys coriacea</i>) at Playa Grande, Costa Rica		Molecular Inferred Phylogeny of Darters (Teleostei: Percidae)		Evaluating Thermal Ecology of Dusky Pipefish, <i>Syngnathus floridae</i> , and Gulf Pipefish, <i>Syngnathus scovelli</i>
9:15 AM	102	P Gregory	439	M Craig	612	N Wegner
		Reproduction and Growth of Female Plains Garter Snakes (<i>Thamnophis radix</i>) Near the Species' Northern Distributional Limit: Does Latitude Matter?		Phylogenetic Relationships of the Cowfish Genus <i>Acanthostracion</i> Bleeker		Adaptations for Fast Swimming and Ram Ventilation: Gill Fusions in Scombrids and Billfishes
9:30 AM	BREAK - 3rd Floor Foyer					
SESSION/ SYMPOSIUM		Herp Ecotoxicology		Fish Evolution, Phylogeny & Systematics		Fish Ecology II
MODERATOR		M Boone		GD Johnson		K Martin
10:00 AM			425	T Buser	704	T Turner
				Molecular Systematics of Agonidae		New Insights from Old Specimens: Effects of Intensive River Regulation in the Rio Grande Revealed from Stable Isotopes of Preserved Material
10:15 AM			715	N Delventhal	506	T Crail
				Molecular phylogeny of Callogobius (Gobiidae)		Different Riffles, Same Species Space: Habitat Utilization and Partitioning in Darter Communities of the Ohio River Basin
10:30 AM	639	L Johnson	148	T Munroe	429	J Grubich
		Multi-Scale Approaches For Quantifying Effects of Multiple Stressors in Aquatic Ecosystems		Systematic Revision of the Flatfish Genus <i>Peltorhamphus</i> Günther, 1862 (Pleuronectiformes: Rhombosoleidae), With Description of a New Species		Red Sea Lionfishes: Patterns of Distribution and Notes on Behavior in their Native Range
10:45 AM	342	J Willson	71	C Li	68	M Belk
		From Individual-level Effects to Population-level Responses: The Missing Link in Amphibian Ecotoxicology		Target-enrichment and Next-generation Sequencing for Assembling the Chondrichthyan Tree of Life		Demography of Southern Leatherside Chub in the Presence and Absence of an Introduced Predator
11:00 AM	585	J Olker	297	M Miya	493	K Martin
		Development, Size, and Gonadal Endpoints Differ in Two Native Frog Species Exposed to Atrazine and Accelerated Pond-drying		The Mitogenomic Supermatrices to Resolve Cypriniformes Tree of Life: An Empirical Approach Based on 472 Complete and 2171 Partial mtDNA Sequences		Avian Predation on Runs of Beach Spawning California Grunion, <i>Leuresthes tenuis</i>
11:15 AM	572	M Boone	586	J Arroyave	621	L Etchison
		Effects of Insecticide Exposure at Different Times in Larval Development on Green Frog Thyroid Hormone Action and Metamorphosis		Molecular Phylogeny of the African family Distichodontidae (Ostariophysi: Characiformes) with an Emphasis on the Economically Important Genus <i>Distichodus</i>		Diel Variation in Substrate Preference of Cyprinidae Fishes
11:30 AM	543	A Moyer	567	K Tang	676	L Olsen
		The Effects of Short Term and Long Term Exposure to Elevated Cadmium Levels on Predator Avoidance Behavior in Southern Leopard Frog (<i>Rana sphenoccephala</i>) Tadpoles		Phylogenetic Relationships of the Cyprinid Subfamily Cultrinae (Teleostei: Cypriniformes)		Quantifying the Habitat Utilization of Darters in the Central Great Lakes Region
11:45 AM	471	K Cabarle	714	GD Johnson	694	M Adreani
		Cadmium Induction of Gene Expression in Salamander and Biomonitoring in an Agricultural Landscape		Development of the Upper Jaw in Squirrelfishes and Soldierfishes (Beryciformes: Holocentridae): a Unique Ontogenetic Trajectory		Estimating Fecundity, Spawning Frequency and Spawning Season Length of Temperate Reef Fish: A Comparison of Natural and Artificial Rocky Reefs
12:00 PM		LUNCH		LUNCH		LUNCH

2011 Joint Meeting (JMIH), Minneapolis, MN
BREAK-OUT SESSIONS AT A GLANCE
Monday, 11 JULY, Morning Sessions

	<i>Symphony III</i>		<i>Symphony I & II</i>		<i>Conrad B & C</i>	<i>ROOM</i>
	Legler Turtle Symposium		Herp Behavior		No Session Scheduled	SESSION/ SYMPOSIUM
	J Congdon		A Mathis			MODERATOR
	Introduction	269	A Mathis			8:00 AM
			Behavioral and Metabolic Responses of Ozark Zigzag Salamanders (<i>Plethodon angusticlavius</i>) to Alarm/Stress Secretions from Heterospecific Members of the Same Prey-guild			
288	M Davis	290	A Crane			8:15 AM
	Urban River Redemption - A Mississippi Mussel Story		Socially-facilitated Antipredator Behavior by Ringed salamanders (<i>Ambystoma annulatum</i>)			
		604	S Pittman			8:30 AM
			Fine-scale Movement Behavior of Recently-metamorphosed Spotted Salamanders (<i>Ambystoma maculatum</i>)			
		540	T VanDeWalle			8:45 AM
			Homing Behavior of <i>Graptemys geographica</i> and <i>Chrysemys picta</i> in Michigan			
763	W Gibbons	648	R Weaver			9:00 AM
	What Do We Really Know about Slider Turtles?		Ants as Competitors for Refugia Sites with Pacific Northwest Dipsadine Snakes			
		706	R Clark			9:15 AM
			Predator-Prey Communication Between Northern Pacific Rattlesnakes (<i>Crotalus oreganus</i>) and California Ground Squirrels (<i>Spermophilus beecheyi</i>): The Response of Predators During Natural Signaling Interactions			
BREAK - 3rd Floor Foyer						9:30 AM
	Legler Turtle Symposium		Herp Population Genetics/ Herp Coloration		No Session Scheduled	SESSION/ SYMPOSIUM
	J Congdon		S Kuchta			MODERATOR
574	R Brooks	410	S Unger			10:00 AM
	The "Common" Snapping Turtle: What does Abundance Tell us about Extinction and Conservation Priorities?		Population Genetics of the Eastern Hellbender (<i>Cryptobranchus alleganiensis alleganiensis</i>) at Multiple Spatial Scales			
		734	J Johnson			10:15 AM
			Nuclear and Mitochondrial DNA Concordance in Delineation of California Tiger Salamander Distinct Population Segments			
67	D Moll	431	M Islam			10:30 AM
	Ingestion By a Freshwater Turtle Alters Germination of Bottomland Hardwood Seeds		Genetic Divergence and Reproductive Isolation among the Frogs of the Genus <i>Fejervarya</i> from several Asian countries			
487	J Congdon	308	A Kraemer			10:45 AM
	Perceptions of Indeterminate Growth and its Importance in the Evolution of Turtle Life Histories and Longevity		Temporal Color Changes in the Red-Backed Salamander While Kept in Captivity			
		640	S Kuchta			11:00 AM
			Disruptive Coloration in the Sierra Nevada Salamander, <i>Ensatina eschscholtzii platensis</i>			
		232	V Farallo - GH			11:15 AM
			Predation and the Maintenance of Color Polymorphism in a Habitat Specialist Squamate			
619	L Dixon					11:30 AM
	False Map, Spiny Softshell and Smooth Softshell Turtle Nest and Nest-site Habitat Characteristics along the Lower Stretch of the Missouri National Recreation River in South Dakota					
383	T Lewis					11:45 AM
	A Long Term Study of a Metropolitan Minnesota Lake Population of Painted Turtles (<i>Chrysemys picta</i>)					
LUNCH						12:00 PM
LUNCH						
GH = ASIH Stoye General Herpetology						

**2011 Joint Meeting (JMIH), Minneapolis, MN
BREAK-OUT SESSIONS AT A GLANCE
Monday, 11 JULY, Afternoon Sessions**

ROOM	Minneapolis Ballroom E		Minneapolis Ballroom F		Minneapolis Ballroom G	
SESSION/ SYMPOSIUM	Herp Ecotoxicology		Fish Evolution, Phylogeny & Systematics		Fish Ecology II	
MODERATOR	M Boone		GD Johnson		M Belk	
1:30 PM	436	N Karraker	409	J Wright	221	D Figueroa
		Impacts of Mosquito Control Agents on Amphibians and an Aquatic Food Web in South China		Systematic Revision of the Formerly Monotypic Genus Tanganikallabes (Siluriformes: Clariidae)		The Rajidae of the Southwestern Atlantic, an Overview
1:45 PM	654	B Reeve	326	K Conway	222	E Marsh-Matthews
		Ranavirus-exposed Wood Frog Tadpoles (<i>Lithobates sylvaticus</i>) are Robust to Three Natural Environmental Challenges		Paedocypris, not a Cypriniform?! An Evaluation of the Evidence. Part 1 Morphology		Brood Reduction in Response to Stress in Western Mosquitofish: Implications for the Trexler-DeAngelis Model of Matrotrophy Evolution
2:00 PM	631	R Lovich	327	R Britz	433	C Walsler
		Do Frogs Still Get Their Kicks on Route 66? Transcontinental Department of Defense Transect Reveals Spatial and Temporal Patterns of <i>Batrachochytrium dendrobatidis</i> Infection		Paedocypris, not a Cypriniform?! An Evaluation of the Evidence. Part 2 Molecules		Distribution and Diet of Largemouth Bass (<i>Micropterus salmoides</i>) in the Lower Boise River, Idaho
2:15 PM			561	L Tornabene	533	A Liedke
				A New Deep-reef Goby from the Caribbean: a New Genus or Bizarre Basal <i>Bollmannia</i> (Gobiidae: <i>Gobiosomatini</i>)?		Feeding Ecology of the Banded Butterflyfish <i>Chaetodon striatus</i> along its Range of Distribution
2:30 PM			362	C Dillman	174	G Kume
				Developmental Ossification of the Dermal Skeleton in Sturgeons (Acipenseridae) and its Relation to Behavior of Early Life History Stages		Feeding Habits of Three Species of Larval Fishes in Ariake Bay, Southwestern Japan
2:45 PM			673	L Smith	683	C Love
				Approaching the Percomorph Problem		The Feeding Habits of Larval Fishes: Abiotic Influences and Food Web Impact
3:00 PM			231	S Gibson		
				A New Species of Semionotid (Neopterygii: Semionotiformes) Fish from the Upper Triassic Chinle Formation, Southern Utah		
3:15 PM	BREAK- 3rd Floor Foyer					
SESSION/ SYMPOSIUM	No Session Scheduled		No Session Scheduled		No Session Scheduled	
MODERATOR						
3:30 PM						
3:45 PM						
4:00 PM						
4:15 PM						
4:30 PM						
4:45 PM						
5:00 PM						

2011 Joint Meeting (JMIH), Minneapolis, MN
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	<i>Symphony III</i>		<i>Symphony I & II</i>		<i>Conrad B & C</i>	<i>ROOM</i>
	Legler Turtle Symposium		Herp Genomics, Morphology & Development		No Session Scheduled	SESSION/ SYMPOSIUM
	S Freedberg		N Calatayud			MODERATOR
237	E Myers	773	D Weisrock			1:30 PM
	A Phylogenetic Assessment of Morphological Evolution within a Radiation of Turtles		Population Genomics of the North American Tiger Salamander Radiation			
329	F Janzen	242	T Kleinteich			1:45 PM
	Miles to Go Before I Sleep: Temporal Patterns of Age-specific Selection on Female Reproduction		Closing the Gap: Finite Element Modeling of Caecilian Skulls			
		444	L Macesic			2:00 PM
			Avoid Falling Flat on your Face: A Lesson from Toads			
311	S McGaugh	256	R Wassersug			2:15 PM
	Population Genetics of Two Endemic Turtles from Cuatro Ciénegas, Coahuila, Mexico		Missing Teeth Alters Feeding Kinematics in Pond-dwelling Tadpoles			
		151	N Calatayud			2:30 PM
			Conservation of Sexually Dimorphic Second-to-Fourth Digit Ratios in Amphibians			
	Q & A	76	R Andrews			2:45 PM
				Performance of Squamate Embryos with Respect to Phylogeny, Climate, and Adult Life History		
BREAK - 3rd Floor Foyer						3:00 PM
	No Session Scheduled		Herp Genomics, Morphology & Development		No Session Scheduled	SESSION/ SYMPOSIUM
			C Sheil			MODERATOR
		90	J Stewart			3:30 PM
			Ontogeny of Calcium Transport by Chorioallantoic Membranes of Oviparous and Viviparous Embryos of the Lizard, <i>Zootoca vivipara</i>			
		272	H Calich			3:45 PM
			The Architecture of the Aquatic Environment and its Influence on the Growth and Development of Tadpoles (<i>Xenopus laevis</i>)			
		169	C Sheil			4:00 PM
			A Comprehensive Study of Heterochrony Among Amphibians Using PARSIMOV			
		121	A Jaszlics			4:15 PM
			Ontogeny and Crocodylian Skull Diversity: A Geometric Morphometric Approach			
		769	M Gold			4:30 PM
			Geometric Morphometrics of the Crocodylian Eustachian System and its Phylogenetic Implications			
		741	N Stephens			4:45 PM
			Molecular Ecology of Western Slimy Salamanders in the Spillway Mine, Garland Co., AR			
		778	S Parker			5:00 PM
			Influence of the progesterone receptor antagonist mifepristone on uterine blood vessel development and epithelial surface morphology in viviparous Australian skinks			