

20010 Joint Meeting (JMIH), Providence, RI  
**BREAK-OUT SESSIONS AT A GLANCE**  
**THURSDAY, 8 JULY, Afternoon Sessions**

ROOM	Ballroom D	Ballroom B	551AB
SESSION/ SYMPOSIUM	Karel Liem Symposium	Herp Ecology & Systematics	AES Ecology
MODERATOR	G Lauder	B Halstead	N Hussey
1:30 PM	Introduction	J Niedzwiecki	
		The Effect of Predation Threat on Asymmetric Intraspecific Competition in the Streamside Salamander, <i>Ambystoma barbouri</i>	
1:45 PM	K Hartel	J Richardson - EE	
	Karel F. Liem – Collection Builder	Fine-scale Adaptive Divergence of Wood Frog Populations ( <i>Rana sylvatica</i> ) in Response to Habitat-mediated Selection	
2:00 PM	E Brainerd	E Muths	C Polo
	The Real Story Behind the Remarkable Discovery of Liem's Ground Fishes	Evidence for Skipped Breeding Opportunities in Female Toads and Unbiased Survival Estimates	Examining Ontogenetic Trophic Shifts in <i>Alopias superciliosus</i> Via $\delta^{13}C$ and $\delta^{15}N$ Analysis of Muscle and Vertebrae
2:15 PM	L Kaufman	S Herrick - EE	J Olin
	Liem's Paradox: How A Jolly Iconoclast Unified Evolutionary Theories of Species Richness	Temporal Calling Patterns of Syntopic Ranid Frogs	Maternal Investment Confounds Stable Isotope Interpretation in Young Individuals
2:30 PM	A Summers	D Hawlena	P Matich
	Karel Liem and the Importance of Intuition and Controversy in the Advancement of Biology	Colorful Tails Fade When Lizards Adopt Less Risky Behaviors	Contrasting Patterns of Individual Specialization and Trophic Coupling in Two Marine Apex Predators
2:45 PM	G Lauder	A Hall	N Hussey
	Fish Biomechanics from Karel Liem to the Present	Pressure and Duration of Constriction in <i>Boa constrictor</i> is Influenced by Prey Heartbeat	Documenting the trophic structure of the shark assemblage off KwaZulu-Natal, South Africa using stable isotopes
3:00 PM	<b>BREAK - Exhibit Hall D</b>		
SESSION/ SYMPOSIUM	Karel Liem Symposium	Herp Ecology & Systematics	AES Ecology
MODERATOR	C Wilga	J Niedzwiecki	N Hussey
3:30 PM	C Wilga	B Halstead	B McMeans
	Twenty Years of Shark Research Championed by Karel	Bayesian Shared Frailty Models of Survival for Adult Giant Gartersnakes ( <i>Thamnophis gigas</i> ) in the Sacramento Valley of California	The Feeding Behavior of Greenland Sharks Based on Stable Isotope and Fatty Acid Analysis of Multiple Tissues
3:45 PM	P Hernandez	P Gregory	W Smith
	Of Bulldogs and Bozos: Divergence in Size and Structure of Cranial Features within Incipient species of Bahamian pupfish with Different Diets	New Insights from Old Data: Body "Condition" Dynamics and Feeding Patterns in Garter Snakes ( <i>Thamnophis sirtalis</i> ) from Central Manitoba	Spatial and Temporal Variation in Vertebral Chemical Composition: Evaluating the Potential to Distinguish Natal Origin from Natural Elemental Markers in Elasmobranchs
4:00 PM	C Kenaley - GDM	D Leopold - EE	H McCann
	My, What Loosejaws You Have: The Feeding Mechanics of an Enigmatic Clade of Deep-sea Dragonfishes (Stomiiformes: Stomiidae)	Foraging Success of <i>Nerodia fasciata</i> on Native and Exotic Fishes	Microchemistry of White Shark ( <i>Carcharodon carcharias</i> ) Vertebrae: A Potential Tool to Examine Life-History Strategies?
4:15 PM	J Ramsay	N Hyslop	T Curtis
	Function of the jaw adductor muscles during suction and biting in bamboo sharks.	Population Ecology of <i>Drymarchon couperi</i> (Eastern Indigo Snake) in Georgia	Seasonal Distribution of White Sharks in the Western North Atlantic Ocean
4:30 PM	S Gerry	L Douglas	S Gulak
	Intraspecific Morphological Differences in Bluegill Sunfish	Effects of Large-Scale Habitat Manipulation on Body Condition in Timber Rattlesnakes ( <i>Crotalus horridus</i> )	Habitat Use and Movement Patterns of Pelagic Sharks in the Gulf of Mexico Using Pop-up Archival Satellite Tags
4:45 PM	E Standen		
	Why was Karel Liem Excited about Pelvic Fins?		
5:00 PM			
	EE = ASIH Stoye Ecology & Ethology	GDM = ASIH Stoye Genetics Development & Morphology	

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<b>552 AB</b>	<b>555 AB</b>	<b>556 AB</b>	<b>ROOM</b>
<b>AES Physiology &amp; Reproduction</b>	<b>SSAR Seibert Ecology</b>	<b>Herp Conservation I</b>	<b>SESSION/ SYMPOSIUM</b>
<b>N Wegner</b>	<b>M Donnelly</b>	<b>R Fisher</b>	<b>MODERATOR</b>
	<b>T McPeck</b>	J Guzy	<b>1:30 PM</b>
	Effects of Pesticides and Competition on Spotted Salamander ( <i>Ambystoma maculatum</i> ) Metamorphosis and Overwinter Survival	Maintaining Biodiversity: Factors Affecting Amphibian Species Richness Among Small Isolated Wetlands in Central Florida	
N Wegner	<b>B Timm</b>	C Brehme	<b>1:45 PM</b>
Ram Ventilation in the Shortfin Mako, <i>Isurus oxyrinchus</i> : Examining Oxygen Utilization and the Branchial Pressure Gradient Using a Large Water Tunnel	Movement Ecology of Eastern Spadefoots ( <i>Scaphiopus h. holbrookii</i> ) in the Province Lands Dunes of Cape Cod National Seashore	Long Term Monitoring of Arroyo Toads: Multi-Year Trend Analysis and Program Evaluation	
C Walsh	<b>J Stynoski</b>	N Caruso	<b>2:00 PM</b>
Effects of Nurse Shark, <i>Ginglymostoma cirratum</i> , Peripheral Blood Leukocytes Following in vitro Exposure to Red Tide Toxin	To Eat but Not to Be Eaten: Honest Begging Signals and Visual Detection of Predators and Mothers by Tadpoles of the Strawberry Poison Frog ( <i>Oophaga pumilio</i> )	Resurveying Populations of Plethodontid Salamanders in Great Smoky Mountain National Park	
J Jañez	<b>O Hyman</b>	R Cook	<b>2:15 PM</b>
Preliminary Reference Blood Parameters for Southern Eagle Ray ( <i>Myliobatis goodei</i> ) in Captivity	Negative Influence of Phosphorus on Prevalence of the Frog Killing Pathogen, <i>Batrachochytrium dendrobatidis</i>	Temporal Variation in Anuran Detection Probabilities at Cape Cod National Seashore: Implications for Long-Term Monitoring	
S Hersey	<b>S Whitfield</b>	B Glorioso	<b>2:30 PM</b>
Functional Divergence Among Multiple Aryl Hydrocarbon Receptors in Sharks	Temporal Variation in Prevalence and Intensity of Chytridiomycosis in Three Species of Frogs at La Selva, Costa Rica	Trend Detection in Long Term Anuran Monitoring: A Comparison of Vocalization and Visual Encounter Surveys	
J Hall	<b>K Yagi</b>	F Ruiz-Canino	<b>2:45 PM</b>
Genomic Context of Shark Aryl Hydrocarbon Receptors	The Effect of Flooding on the Spatial Ecology of Spotted Turtles ( <i>Clemmys guttata</i> ) in a Southern Ontario Population	A New Way to Mark Small Amphibians	
<b>BREAK - Exhibit Hall D</b>			<b>3:00 PM</b>
<b>AES Physiology &amp; Reproduction</b>	<b>SSAR Seibert Ecology</b>	<b>Herp Conservation I</b>	<b>SESSION/ SYMPOSIUM</b>
<b>L Jones</b>	<b>R Saporito</b>	<b>R Cook</b>	<b>MODERATOR</b>
LJ Williams	<b>S Snyder</b>	R Relyea	<b>3:30 PM</b>
The Use of Steroid Hormone Concentrations to Determine Individual Variability in the Reproductive Cyclicality of the Little Skate, <i>Leucoraja erinacea</i> , from the Western Gulf of Maine	Quantifying the Thermal Quality of Burned and Unburned Habitat for the Desert Tortoise ( <i>Gopherus agassizii</i> )	New Effects of Roundup® on Amphibians: Predation, Stratification, and Induction of Tadpole Morphology	
P Mejia-Falla	<b>J Paterson</b>	E Seney	<b>3:45 PM</b>
Reproductive Biology of the Round Stingray <i>Urotrygon rogersi</i> in the Pacific Coast of Colombia	Comparisons of Hatchling Survivorship and Spatial Ecology between Two Sympatric Turtle Species	Incidental Hook-and-Line Capture of Sea Turtles Along the Upper Texas Coast During 2004-2008	
L Jones	<b>L Isaac</b>	R Fisher	<b>4:00 PM</b>
Reproductive Biology of the Cuban Dogfish ( <i>Squalus cubensis</i> ) in the Northern Gulf Of Mexico.	What are the Implications of Color Variation? Exploring Crypsis, Thermoregulation, and Behaviour in Dimorphic Populations of the Western Terrestrial Garter Snake, <i>Thamnophis elegans</i>	Rapid Assessment for Fijian ( <i>Brachylophus</i> sp.) and Green ( <i>Iguana iguana</i> ) Iguanas in the Northeastern Fijian Islands	
	<b>A Stengle</b>	P Delis	<b>4:15 PM</b>
	Body Temperature Range of Black Ratsnakes ( <i>Pantherophis alleghaniensis</i> ) Occupying Forest and Roadside Habitats	Variability in Snake Assemblage Structure at Sites in the Letterkenny Army Depot in South-Central Pennsylvania	
	<b>S Wisniewski</b>	K Miller Hesed	<b>4:30 PM</b>
	A Model for Brown Treesnake Risk Assessment	Herpetofaunal Diversity at Sakaerat Environmental Research Station, Northeast Thailand: Revisiting a Historically Important Site	
		T McMahon	<b>4:45 PM</b>
		Chlorothalonil: An Immunomodulatory and Deadly Fungicide to Amphibians	
			<b>5:00 PM</b>

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<b>ROOM</b>	<b>Ballroom D</b>	<b>Ballroom B</b>	<b>551 AB</b>
<b>SESSION/ SYMPOSIUM</b>	<b>Karel Liem Symposium II</b>	<b>Fish Conservation</b>	<b>AES Gruber</b>
<b>MODERATOR</b>	<b>B Brainerd</b>	<b>K Longenecker</b>	<b>M Dean</b>
<b>8:00 AM</b>	J Liao	B Chernoff	
	The Metabolic Cost of Trout Swimming in Vortical Flows	Metapopulation Dynamics and Recovery of the Eightmile River, CT, after Dam Removal	
<b>8:15 AM</b>	L Sanderson	P Smiley	
	Fish Versus Industrial Crossflow Filtration	Influence of Herbaceous Riparian Buffers on Fish and Amphibian Communities within Channelized Headwater Streams in Central Ohio	
<b>8:30 AM</b>	J Denton	L Vela-Valladares	<b>M Benavides - G</b>
	Postcranial Photophore Innervation Patterns in Myctophid fishes: Preliminary Results	A Holistic Approach to Freshwater Ecosystems Conservation: The Cyprinodon julimes Case Study	Global Genetic Stock Structure of the Copper (Carcharhinus brachyurus) and Dusky Sharks (Carcharhinus obscurus): Interspecific Comparisons and Implications for Management
<b>8:45 AM</b>	D Adriaens	C Beachum	<b>M Winton - G</b>
	Aquisition of Extreme Performance: Adaptive Mechanisms and Evolutionary Patterns	Use of Landsat Imagery to Assess Temporal Changes in a Stream Fish Assemblage Associated with Habitat Restoration in the Terrapin Creek Watershed in Kentucky	Age, Growth, and Maturity of the Roughtail Skate, Bathyraja trachura (Gilbert, 1892), from the Eastern Bering Sea
<b>9:00 AM</b>	S Norton	P Willink	<b>W Bublely - G</b>
	Ontogenetic Changes in Diet and Prey Handling by Two Snail-Punching Cottid Fishes	Using Fish Assemblages in Different Habitats to Develop a Management Plan for the Upper Essequibo Conservation Concession, Guyana	A Reassessment of Spiny Dogfish, Squalus acanthias, Reproductive Parameters Following Increased Fishing Pressure in the Northwest Atlantic
<b>9:15 AM</b>	A Gibb	B Lorson	<b>A Maia - G</b>
	Like a Fish Out of Water? Species from Several Percomorph Orders Produce Coordinated Terrestrial "Leaps" in Response to Forced Stranding.	Distribution of Allegheny River Fishes Using a New Sampling Technique	Comparative Anatomy of Bamboo Shark and Spiny Dogfish Dorsal Fins
<b>9:30 AM</b>	<b>BREAK - Exhibit Hall D</b>		
<b>SESSION/ SYMPOSIUM</b>	<b>Karel Liem Symposium II</b>	<b>Fish Conservation</b>	<b>AES Gruber</b>
<b>MODERATOR</b>	<b>J Webb</b>	<b>B Chernoff</b>	<b>J Gelsleichter</b>
<b>10:00 AM</b>	ST Hsieh	B Collette	
	Does Dorsal Fin Coloration Correlate with Aggressive Behaviors in a "Terrestrial" Marine Blenny?	Why Red List Tunas and Billfishes?	
<b>10:15 AM</b>	L Chapman	<b>J McKinney - C</b>	<b>A Gallagher - G</b>
	Life in Low Oxygen: The Role of Developmental Plasticity	Predicting Whale Shark, Rhincodon typus, Distribution in the Northern Gulf of Mexico	Blood Gas, Oxygen Saturation, pH, and Lactate Values in Elasmobranch Blood Measured with an i-STAT® Portable Clinical Analyzer and Standard Laboratory Instruments
<b>10:30 AM</b>	J Osse	L Allen	<b>J Dale - G</b>
	Structure and Function of the Larval Finfold	The Existence, Importance, and Contribution of Fish Spawning Aggregations to the Ecosystems and Fisheries of the Temperate Waters off Southern California	Ontogenetic Dietary and Habitat Shifts in Brown Stingrays (Dasyatis lata) in Hawai'i Inferred from Stomach Content and Stable Isotope Analysis
<b>10:45 AM</b>	P Lobel	S Bortone	<b>A Nosal - G</b>
	Searching for Evolutionary Novelities in Lac Tele, Congo: New Fishes and Giant Pythons	A Logic Model to Facilitate the Incorporation of Artificial Reefs into Fishery Management	Movement Patterns of Leopard Sharks (Triakis semifasciata) along the Open Coast of San Diego County, California
<b>11:00 AM</b>	C Albertson	K Longenecker	<b>D Knip - G</b>
	Morphological Integration Shapes Patterns of Craniofacial Divergence among Lake Malawi Cichlid Fishes	Size Structure of Reef-Fish Populations Exploited by a Papua New Guinea Subsistence Community	Site Fidelity and Habitat Use of Spottail Sharks (Carcharhinus sorrah) in a Tropical Nearshore Environment
<b>11:15 AM</b>	J Webb	B Erisman	<b>D Kacev - G</b>
	The Joy of Fishes – Sensory Biology Meets Evolutionary Morphology	Commercial Fisheries Trends for Aggregating Reef Fishes in the Southern Gulf of California, Mexico	Exploring the Benefits of Spatial/Landscape Genetic Analysis in Shark Populations
<b>11:30 AM</b>	M Abate	K Ilves	<b>M Taylor - G</b>
	The Effect of Conspecific Alarm Cue on the Swimming Performance of Juvenile Nicaragua Cichlids (Hypsophrys nicaraguensis)	Assessing 50-year Change in Bahamian Reef Fish Assemblages	Spiral Valve Parasites of Selected Tropical Pelagic Elasmobranchs from the Western North Atlantic Ocean.
<b>11:45 AM</b>	K McKaye	C Gledhill	
	Biological Control by Cichlid Fishes of Snail Vectors of the Human Disease Bilharzia: Conservation of Cichlids Might Reduce HIV/AIDS in Malawi	Effectiveness of Two Marine Protected Areas on the West Florida Shelf	
<b>12:00 PM</b>	T Tkint	<b>LUNCH</b>	
	Liem's Paradox Extrapolated: Is There Also a Trade-off Between Mouth Brooding and Feeding in Cichlids?	<b>C = ASIH Conservation</b>	

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<b>AES Conservation &amp; Management</b>	<b>Turtle Ecology &amp; Conservation</b>	<b>Fish Genetics &amp; Biogeography</b>	<b>SESSION / SYMPOSIUM</b>
<b>E Cortes</b>	<b>D Hawlena</b>	<b>K Edberg</b>	<b>MODERATOR</b>
	F Sandmeier		<b>8:00 AM</b>
I Baremore	Natural and Acquired Antibodies to Mycoplasma agassizii in the Mojave Desert tortoise: Implications for Managing a Wildlife Disease R Vogt		<b>8:15 AM</b>
Reproductive Patterns and Maturity Estimates of the Sandbar Shark Carcharhinus plumbeus in the US Atlantic Ocean and Gulf of Mexico L Hale	Posthatching Migration of Hatchling Podocnemis expansa With Adults in the Rio Trombetas, Para, Brazil A Kanonik		<b>8:30 AM</b>
Age and Growth Estimates of the Sandbar Shark Carcharhinus plumbeus in the US Atlantic Ocean and Gulf of Mexico S Sagarese	Demographic Analysis of the Jamaica Bay Diamondback Terrapin Population: Implications for Survival in an Urban Habitat K Erazmus	<b>J Eichelberger - GDM</b>	<b>8:45 AM</b>
An Investigation on the Effect of Photoperiod and Temperature on Vertebral Band Deposition in Little Skate Leucoraja erinacea F Hogan	A Dietary Analysis of Female Northern Diamondback Terrapins (Malaclemys terrapin terrapin) N Duncan	Single Nucleotide Polymorphisms (SNPs) in Scaphirhynchus Sturgeons: What have we learned so far? L Lobel	<b>9:00 AM</b>
The Use of Oxytetracycline Marked Vertebrae to Validate Age Determination of Winter Skate (Leucoraja ocellata) C Ward-Paige	Tracking Newly Emerged Diamond Back Terrapins with a PIT Tag Locating System D Burkholder	Determining Parentage of Damselfish Embryos Using Microsatellites Reveals Mate Selection Patterns K Edberg	<b>9:15 AM</b>
Patterns of Shark Occurrence on Reefs in the Greater-Caribbean: A Footprint of Human Exploitation	Foraging Ecology and Stable Isotopic Analysis of Green Sea Turtles (Chelonia mydas) in Shark Bay, Western Australia: Are Green Turtles Really Herbivores?	Genetic Isolation as a Result of Dam Construction: A Look at the Effects on Two Species of Darters	
<b>BREAK - Exhibit Hall D</b>			<b>9:30 AM</b>
<b>AES Conservation &amp; Management</b>	<b>SSAR Seibert Conservation</b>	<b>Fish Genetics &amp; Biogeography</b>	<b>SESSION / SYMPOSIUM</b>
<b>D Cartamil</b>	<b>H Mushinsky</b>	<b>P Chakrabarty</b>	<b>MODERATOR</b>
E Cortes	P Cain	G Seegert	<b>10:00 AM</b>
Predicting the Global Vulnerability of Sharks to Habitat Loss K Brewster-Geisz	The Cost of Soup: An Assessment of the Commercial Harvest of Snapping Turtles (Chelydra serpentina) in Maryland J Laverty	The Distribution of Fishes Near Eight Power Plants on the Ohio River During the Winter Y Kanno	<b>10:15 AM</b>
Status of Atlantic Shark Management in the United States A Morgan	Impact of Water-based Recreation on the Spatial Ecology of Stinkpot Turtles (Sternotherus odoratus) in an Ontario Park S Farnsworth	Fine-scale Population Genetics of Brook Trout Across Headwater Stream Networks in Connecticut B Kuhajda	<b>10:30 AM</b>
Population Assessment of the Dusky Shark in the Western North Atlantic Ocean Using an Age-structured Model J Froeschke	Short and Long Distance Translocations of Eastern Box Turtles: Do Fences Make Good Neighbors or Conservation Practices D Yorks	Rediscovery of the Imperiled Trispot Darter, Etheostoma trisella, in Alabama, and Its Phylogeographic Structure within the Coosa River Drainage of the Mobile Basin L Page	<b>10:45 AM</b>
Testing the Shark Nursery Area Concept in Texas Bays Using a Long-term Fisheries-Independent Dataset M Frisk	The Importance of Lighting Levels in Design of Under-Road Passages for Freshwater Turtles D Leavitt	Geographic Variation in Species Richness of North American Freshwater Fishes J Knouft	<b>11:00 AM</b>
Adult, Juvenile and Neonate Habitat Preferences of Spiny Dogfish, Squalus acanthias: Density, temperature and neonate range expansion in the western Atlantic T Wiley	Sceloporus arenicolus, an Endemic Lizard in an Endangered Ecosystem W Anderson	Assessing the Relationships Between Climate, Landscape, and Species Richness in North American Freshwater Fishes P Chakrabarty	<b>11:15 AM</b>
Designating Critical Habitat For The Endangered Smalltooth Sawfish Pristis pectinata in the United States: Challenges and Results E Hoffmayer	Vital Rate Sensitivity Analysis of the Texas Horned Lizard (Phrynosoma cornutum) N Smolensky	Not So Fast: Freshwater Fishes of Middle America and a New Take on the Great American Biotic Interchange B Bowen	<b>11:30 AM</b>
Advances in Whale Shark (Rhincodon typus) Research in the Northern Gulf of Mexico D Cartamil	Population Variation in Dune-dwelling Lizards in Response to Patch Size, Patch Quality, and Oil and Gas Development	Phylogeography of Indo-Pacific Reef Fishes: Coloration, Speciation, and the Indo-Pacific Barrier	<b>11:45 AM</b>
The Artisanal Elasmobranch Fishery of the Pacific Coast of Baja California, Mexico			
<b>LUNCH</b>			<b>12:00 PM</b>
		<b>GDM = ASIH Stoye Genetics, Development &amp; Morphology</b>	

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<b>SESSION/ SYMPOSIUM</b>	<b>Fish Systematics &amp; Morphology</b>	<b>General Ichthyology</b>	<b>Fish Life History</b>
<b>MODERATOR</b>	<b>E Hilton</b>	<b>L Allen</b>	<b>B Stallsmith</b>
<b>1:30 PM</b>	J Sparks	A Bentley	
	Anatomical Specializations and Enhanced Auditory Ability in Malagasy-South Asian Cichlids	The Return of Fishnet	
<b>1:45 PM</b>	E Hilton	<b>J Wright - GI</b>	A Andrews
	Morphology and Developmental Osteology of the Prowfish <i>Zaprora silenus</i> (Zoarcoidei: Zaproridae), with Comparisons to Other Zoarcoid Fishes	Comparative Toxicity of Ictalurid Catfish Venoms	A Long-Lived Life History for <i>Opakapaka</i> ( <i>Pristipomoides filamentosus</i> ) Based on Lead-Radium and Bomb Radiocarbon Dating
<b>2:00 PM</b>	J Baker	C Gervasi	B Gahagan
	Armor Diversification Across Populations of Freshwater Threespine Stickleback	Abundance, Growth, and Diet of Juvenile Summer Flounder ( <i>Paralichthys dentatus</i> ) and Winter Flounder ( <i>Pseudopleuronectes americanus</i> ) In the Seekonk River, RI and the Taunton River, MA	Estimating Anadromous River Herring Natal Stream Homing Rates Using Otolith Microchemistry
<b>2:15 PM</b>	S Ferdous	I Mateo	<b>K Groom - EE</b>
	Geometric Morphometric Analysis of the Bagrid Catfish <i>Mystus</i> (Siluriformes: Bagridae).	Assessing the Role of Mangroves as Nurseries for French Grunt and Schoolmaster through Otolith Elemental Fingerprints	Potential Sites for Arginine Vasotocin Modulation of Sensory Systems Differ with Phase in a Sex Changing Teleost ( <i>Thalassoma duperrey</i> )
<b>2:30 PM</b>	M Doosey	N Ares	C Olaya-Nieto
	Survey of Osteological Characters of the Branchial and Hyoid Arches of Euteleostei (Actinopterygii: Teleostei)	Mercury Accumulation in Brain and Muscle Tissues of Bluefish ( <i>Pomatomus saltatrix</i> ) and Tautog ( <i>Tautoga onitis</i> )	Reproductive Biology of <i>Dorada Brycon sinuensis</i> in the Sinu River Basin, Colombia
<b>2:45 PM</b>	<b>H Neun - GI</b>	J Velotta	F Ribeiro
	Morphological Variation in the Yaqui Sucker, <i>Catostomus bernardini</i> , (Family Catostomidae)	Microevolutionary Changes to Osmoregulatory Physiology in Alewife ( <i>Alosa pseudoharengus</i> )	Patterns of Early Life Stage Fish Ingress into Chesapeake and Delaware Bay
<b>3:00 PM</b>	HJ Kwun	J Orr	B Stallsmith
	One Undescribed Species of the Genus <i>Eulophias</i> (Perciformes: Stichaeidae) from Korea	An Intimate Affair: Reproductive Parasitism of Snailfishes on Golden King Crabs	Seasonality and Reproductive Impact of <i>Dactylogyrus</i> Gill Parasites Upon the Telescope Shiner, <i>Notropis telescopus</i>
<b>3:15 PM</b>	M-Y Lee	P McLaughlin	<b>K Gherard - GI</b>
	Evaluating the Taxonomic Status of Tonguefishes Tentatively Identified as <i>Symphurus microrhynchus</i> : Comparisons of Morphological and Molecular Data between Populations Collected off Taiwan and Vietnam	The Effects of <i>Anguillicola crassus</i> Infection on Silver Phase Male American Eels ( <i>Anguilla rostrata</i> )	Age, Growth, and Batch Fecundity of the Gulf Corvina, <i>Cynoscion othonopterus</i> , from the Northern Gulf of California, Mexico
<b>3:30 PM</b>	HS Ji	<b>J Eble - GI</b>	
	Taxonomic uncertainty of the family Ophichthidae	Long-distance Dispersal in Indo-Pacific Reef Fishes, with a Focus on the Brown Surgeonfish ( <i>Acanthurus nigrofuscus</i> )	
<b>3:45 PM</b>		J Golub	
		Timing and frequency of predator dietary cues have no effect on embryonic learning.	
<b>4:00 PM</b>	<b>POSTER SESSION I</b> <b>Exhibit Hall D</b>		
<b>4:30 PM</b>			
<b>5:00 PM</b>			
<b>5:30 PM</b>			
<b>6:00 PM</b>			
	<b>GI = ASIH Stoye General Ichthyology</b>	<b>EE - Stoye Ecology &amp; Ethology</b>	<b>NIA Meeting</b> <b>7-8 p.m.</b>

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<b>AES Behavior &amp; Ecology</b>	<b>SSAR Seibert Systematics &amp; Evolution/ SSAR Seibert Physiology</b>	<b>Herp League Graduate Student Award</b>	<b>MODERATOR</b>
<b>J Sulikowski</b>	<b>B Crother</b>	<b>M Mahoney</b>	<b>1:30 PM</b>
J Sulikowski	<b>M Steffen</b>	<b>M Acord</b>	
Dismissing Dogma? What Do We Really Know About the Spiny Dogfish, <i>Squalus acanthias</i> , Population in the U.S. Portion of the Western North Atlantic Ocean	Phylogeography of an Endemic Ouachita Mountain Salamander ( <i>Eurycea multiplicata</i> )	Assortative Mating in the Polymorphic Salamander, <i>Plethodon cinereus</i>	
J Cudney-Burch	<b>L Lawson</b>	<b>S Melzer</b>	<b>1:45 PM</b>
Elucidating the Behavior of Spiny Dogfish ( <i>Squalus acanthias</i> ) that Overwinter in coastal North Carolina Waters with Acoustic Telemetry Methodologies	Historical Biogeography, Divergence Times, and Diversification Patterns in the <i>Hyperolius spinigularis</i> Complex: A Molecular, Morphological, and Spatial Investigation into Evolutionary History in East Africa	Skin Secretions of <i>Leiopelma pakeka</i> as a Potential Mechanism Against Rat Predation	
J Kneebone	<b>X Hua</b>	<b>M Ohmer</b>	<b>2:00 PM</b>
Spatial and Temporal Habitat Use and Movement Patterns of Neonatal and Juvenile Sand Tiger Sharks, <i>Carcharias taurus</i> , in a Massachusetts Estuary	Latitudinal Variation in Speciation Mechanisms in Frogs	Chytridiomycosis in Threatened New Zealand Frogs ( <i>Leiopelma</i> spp.): Susceptibility and Implications for Management	
H Walters	<b>P Skipwith</b>	<b>L Willey</b>	<b>2:15 PM</b>
Movements of Sand Tiger Sharks ( <i>Carcharias taurus</i> ) in the Northwest Atlantic Ocean	Molecular Phylogenetics of New Caledonian Diplodactylid Geckos	Multi-scale Habitat Analysis of Eastern Box Turtles ( <i>Terrapene c. carolina</i> ) in Central Massachusetts	
J Imhoff	<b>C Siler</b>	<b>A Coleman</b>	<b>2:30 PM</b>
Movements And Habitat Use Of Juvenile Bull Sharks ( <i>Carcharhinus leucas</i> ) in the Indian River Lagoon System, FL, USA	Historical Processes Behind Patterns of Limb Reduction and Loss in an Island Radiation of Fossorial Lizards	Examining Female Allocation Strategies and Hatching Fitness in the Mississippi Diamondback Terrapin ( <i>Malaclemys terrapin pileata</i> )	
E Reyier	<b>A Marion</b>	<b>R Reynolds</b>	<b>2:45 PM</b>
Site Fidelity and Seasonal Movement Patterns of Juvenile Lemon Sharks in an Open Ocean Nursery at Cape Canaveral, Florida	Phylogenetic Relationships Among the Alligator Lizards (Anguillidae: Gerrhonotinae): A Multi-locus DNA Sequence Approach	Ecology, Genetics, and Conservation of the Turks Island Boa ( <i>Epicrates c. chrysogaster</i> )	
S Kessel	<b>C Ceballos</b>	<b>K Hale</b>	<b>3:00 PM</b>
Influence of Water Temperature on Behaviour and Migration of Adult Lemon Shark ( <i>Negaprion brevirostris</i> ) Throughout the U.S. Eastern Seaboard	Sex-specific Body Growth Plasticity and Sexual Size Dimorphism in Snapping Turtles	Predatory Responses as a Function of Native and Introduced Prey Types in Neonate Gartersnakes (Colubridae: <i>Thamnophis</i> )	
B Wetherbee	<b>A Moss</b>	<b>S Ruane</b>	<b>3:15 PM</b>
Movements and Habitat use of Tiger Sharks ( <i>Galeocerdo cuvier</i> ) Revealed by Tracking with Satellite Transmitters, the Bermuda-Bahamas connection	Annual Reproductive Cycles of Male and Female Yellow-bellied Sliders ( <i>Trachemys s. scripta</i> ) from Two Populations in Georgia Exposed to Different Water Temperature Regimes	Gene Tree/Species Tree Discordance within <i>Lampropeltis</i>	
L Howey	<b>T Hagey</b>	<b>M Close</b>	<b>3:30 PM</b>
Movement Patterns and Habitat Utilization of Blue Sharks ( <i>Prionace glauca</i> ) in the Northwest Atlantic as Determined by Pop-up Satellite Tags	Predicting Adhesive Capabilities in Anolis and Phelsuma Lizards via the Frictional Adhesion Model and Critical Detachment Angle	Differences in Lower Jaw Form and Function Among Three Macrostomatan Snake Families.	
	<b>D Weeks</b>		<b>3:45 PM</b>
	Geckos on Ice: Unexpected Thermal Tolerances and Temperature-dependent Performance of the World's Southernmost Gecko		
<b>POSTER SESSION I Exhibit Hall D</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>HL Business Meeting 6-8 p.m.</b>			

2010 Joint Meeting (JMIH), Providence, RI  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SATURDAY, 10 JULY, Morning Sessions**

<i>ROOM</i>	<i>Ballroom D</i>	<i>Ballroom B</i>	<i>551 AB</i>
<b>SESSION/ SYMPOSIUM</b>	<b>Acoustics Symposium I</b>	<b>Roads Symposium I</b>	<b>Herp Systematics &amp; Biogeography</b>
<b>MODERATOR</b>	<b>C Johnston</b>	<b>P White</b>	<b>A Hamilton</b>
<b>8:00 AM</b>		K Andrews	R Bonett
		Guiding the Way: Enhancing Ecosystem Connectivity through Transportation Planning	Do Alternative Developmental Modes Promote Reproductive Isolation in Oklahoma Salamanders?
<b>8:15 AM</b>	L Mangiamele	P White	B Callahan
	Neural Mechanisms of Female Preferences for Complex Advertisement Calls in Túngara Frogs ( <i>Physalaemus pustulosus</i> )	Keynote: Road Planning 101	Impacts of Vicariance on the Genetic Structure of the California Giant Salamander ( <i>Dicamptodon ensatus</i> )
<b>8:30 AM</b>	D Higgs		R Peek
	The Evolution of Hearing Specializations in Sciaenid Fishes		Landscape Genetics of Foothill Yellow-legged Frogs ( <i>Rana boylei</i> ) in Regulated and Unregulated Rivers: Assessing Connectivity and Genetic Fragmentation
<b>8:45 AM</b>	M Fine	K Moody	R Brown
	Acoustical Properties of the Swimbladder in the Oyster Toadfish <i>Opsanus tau</i>	Green and Gray Infrastructure: Communications that Make a Difference	Molecular Phylogeography, Species Boundaries, and Conservation Status of Southern Philippine River Toads
<b>9:00 AM</b>	A Horodysky	W Ruediger	E Greenbaum
	Acoustic Pressure and Particle Motion Thresholds in Six Sciaenid Fishes	Using Expert-Based/GIS Wildlife Habitat Connectivity Processes to Assess Wildlife and Aquatic Organism Concerns On Proposed Highway Projects	Evolutionary Relationships of African True Toads ( <i>Anura</i> : <i>Bufo</i> nidae: <i>Ametiophrynus</i> ) Inferred From Multiple Genes
<b>9:15 AM</b>	F Ladich	P Cramer	C Guarnizo
	Ontogenetic Development of Acoustic Communication in Fishes	Transportation Planning and Herp Conservation	The Effect of Elevational Range on Population Gene Flow in Amphibian Species
<b>9:30 AM</b>	<b>BREAK - Exhibit Hall D</b>		
<b>SESSION/ SYMPOSIUM</b>	<b>Acoustics Symposium I</b>	<b>Roads Symposium I</b>	<b>Herp Systematics &amp; Biogeography</b>
<b>MODERATOR</b>	<b>C Johnston</b>	<b>S Tonjes</b>	<b>R Brown</b>
<b>10:00 AM</b>	E Hoffmayer	S Brady	H Heinz
	Boys Gone Wild: Using Male Spotted Seatrout, <i>Cynoscion nebulosus</i> , Courtship Sounds to Map Spawning Habitat in Mississippi Coastal Waters	Roads to Perdition? Amphibians in Roadside Pools	Phylogeography of a Wide-ranging African Gecko: Cryptic Species in the <i>Chondrodactylus turneri</i> complex (Squamata: Gekkonidae)
<b>10:15 AM</b>	J Locascio	R Wood	A Schrey
	Quantitative Measurements of Black Drum Sound Production and Spawning	Terrapins and Tires: A Large-Scale Community-Based Conservation Initiative in Southern New Jersey, USA	Genetic Analysis Identifies Two Major Barriers to Gene Flow within the Florida Sand Skink's Distributions
<b>10:30 AM</b>	C Wall	D Smith	A Hamilton
	Fish Passive Acoustics in the Gulf of Mexico: Knowing the Unknown	The Effects of Roads and Habitat Fragmentation on an Assemblage of Herpetofauna: A Case Study in Central Florida	Endemism, Morphological Conservatism, and Evidence for Adaptive Diversification in a Clade of Lizards from Oceania
<b>10:45 AM</b>	C Krahforst	S Jacobson	J Gubler
	Can the Fundamental Frequency of an Atlantic Croaker's Sound be Used to Determine Length or Sex in the Field?	A Conceptual Framework for Assessing Barrier Effects to Small Animal Populations Using Variable Responses to Traffic Volume	Testing Biogeographic Hypotheses with the <i>Anolis limifrons</i> Group
<b>11:00 AM</b>	K Kovitvongsa	J Jaeger	C Anderson
	Toadfish Boatwhistle Call Diversity and the Error Associated With Different Acoustic Recording Methods	Is Road Bundling Beneficial? Modeling the Consequences of Road Network Configuration for Wildlife Populations	Microsatellite DNA Loci Suggest High Levels of Gene flow Among Distantly Spaced Overwintering Hibernacula of the Prairie Rattlesnake in Alberta, Canada
<b>11:15 AM</b>	N Kime	T Langen	R Pyron
	Arginine Vasotocin Influences Calling Behavior of Túngara Frogs ( <i>Physalaemus pustulosus</i> ) During Simulated Male-Male Interactions	Predictive Models of Reptile and Amphibian Road Mortality Hotspots or Connectivity Blockages in Extensive Road Networks	Niche Evolution and Systematics of the Common Kingsnake ( <i>Lampropeltis getula</i> )
<b>11:30 AM</b>	S Burmeister	S Jackson	K Smith
	Hormonal Modulation of Auditory Responses to Mating Calls in Túngara Frogs	Addressing Impacts of Road-Stream Crossing Structures on the Movement of Aquatic Organisms	The Evolution of Mid-latitude Squamate Faunas During the Paleogene: The Biogeography of a World in Climatic Transition
<b>11:45 AM</b>	M Amorim	P Cramer	B Shamblin
	Variability in the Mating Call of the Lusitanian Toadfish, <i>Halobatrachus didactylus</i> : Propagation Constraints for Mate Attraction and Choice	Retrofitting Existing Structures to Facilitate Wildlife Passage	Phylogeography and Population Structure of the Southern Greater Caribbean Green Turtle Rookeries Revisited with Expanded Mitochondrial Sequencing
<b>12:00 PM</b>	<b>LUNCH</b>		

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**BREAK-OUT SESSIONS AT A GLANCE**  
**SATURDAY, 10 JULY, Morning Sessions**

552 AB	555 AB	556 AB	ROOM
<b>AES Feeding Symposium I</b>	<b>Herp Ecology &amp; Behavior</b>	<b>Fish Ecology, Morphology &amp; Physiology</b>	<b>SESSION/ SYMPOSIUM</b>
<b>D Ebert</b>	<b>D Roberts</b>	<b>N Gidmark</b>	<b>MODERATOR</b>
L Demski	B Kingsbury	K Conway	<b>8:00 AM</b>
An Heuristic Model of the Neural Control of Feeding in Elasmobranchs	Overwintering Ecology of the Eastern Massasauga ( <i>Sistrurus catenatus</i> ) in Michigan	Using Your Head as a Switch Blade: Development of the Sub-orbital Spine in Cobitidae	
M Dean	K Muldoon	<b>J Arbour - GDM</b>	<b>8:15 AM</b>
Durophagy in Cartilaginous Fishes	Post-emergence Movement and Survivorship of Diamondback Terrapin ( <i>Malaclemys terrapin</i> ) Hatchlings at Jamaica Bay Wildlife Refuge, New York	Comparative Functional Morphology of Neotropical Geophagine Cichlids	
C Wilga	<b>A Currylow - C</b>	N Gidmark	<b>8:30 AM</b>
Biomechanics and Ecology of Feeding in Elasmobranchs	Behavioral Effects of Anthropogenically Altered Habitat on a Declining, Long-lived Vertebrate, <i>Terrapene carolina carolina</i>	XROMM Analysis of Premaxillary Protrusion, 3D Maxillary Motion, Kinethmoid Rotation and Lower Jaw Depression During Feeding in Common Carp	
<b>J Gardiner - G</b>	D Green	I Kaatz	<b>8:45 AM</b>
Multisensory Integration in Shark Feeding Behavior	Spring Emergence in Fowler's Toad	Are There Structural Design Limits for Pectoral Fin Spine Disturbance Stridulation in Catfishes?: Vocal Morphology Variation Within Superfamilies	
<b>J Vaudo - G</b>	J Church	P Konstantinidis	<b>9:00 AM</b>
The Effects of Sampling Unit and Sample Size on Stable Isotopic Community Metrics in a Batoid Community	Limiting Similarity in Trophic Morphology: Its Consequences for Local Community Structure, and Distributional Limits	Osteology of the Ragfish, <i>Icosteus aenigmaticus</i> (Lockington)	
<b>D Shiffman - G</b>	C Searcy	E Montie	<b>9:15 AM</b>
Stable Isotope Analysis of the Sandbar Shark, <i>Carcharhinus plumbeus</i> : A Minimally Invasive Method for Comparison of Diet and Trophic Relationships between Genders, Locations, and Age Classes	Mass-dependent Survival and Dispersal in the California Tiger Salamander ( <i>Ambystoma californiense</i> )	Micro Computed Tomography and Three Dimensional Reconstructions of the Acousticolateralis System in the Gulf Menhaden, an Ultrasound-detecting Clupeid	
<b>BREAK - Exhibit Hall D</b>			<b>9:30 AM</b>
<b>AES Feeding Symposium I</b>	<b>Herp Ecology &amp; Behavior</b>	<b>Fish Ecology, Morphology &amp; Physiology</b>	<b>SESSION/ SYMPOSIUM</b>
<b>G Cailliet</b>	<b>D Green</b>	<b>K Piller</b>	<b>MODERATOR</b>
D Ebert	<b>K Hurme - EE</b>	C Moreira	<b>10:00 AM</b>
Diet and Trophic Ecology of the Starry Skate <i>Raja stellulata</i> , Jordan and Gilbert, 1880) off Central California	Anti-predator Behavior in Schooling and Non-schooling Tadpoles (Anura, Leptodactylidae)	Cephalic Laterosensory System of Hatchetfishes (Characiformes: Gasteropelecidae)	
M Drymon	L Eluvathingal	D Taylor	<b>10:15 AM</b>
Where Old Meets New: Using Gut Contents and Stable Isotopes to Describe the Trophic Ecology of the Consummate Mesopredator, the Atlantic Sharpnose Shark ( <i>Rhizoprionodon terraenovae</i> )	Association Preference and Mechanism of Kin Recognition in Tadpoles of the Toad <i>Bufo melanostictus</i>	Ontogenetic Patterns in Bluefish <i>Pomatomus saltatrix</i> Feeding Ecology and the Effect on Mercury Biomagnification	
G Cailliet	D Roberts	C Sweetman	<b>10:30 AM</b>
Inter-annual and Regional Variation in the Diet of Two Common Skate Species ( <i>Bathyrhaja aleutica</i> and <i>B. interrupta</i> ) on the Western Gulf of Alaska Continental Shelf	Sperm Competition and Testis Mass Evolution: Intraspecific Tests in the Australian Frog <i>Crinia georgiana</i>	Distribution and Trophic Ecology of Bathylagus euryops (Teleostei: Microstomatidae) along the northern Mid-Atlantic Ridge	
K Duffy	J Schwartz	M Taylor	<b>10:45 AM</b>
Temporal Changes in the Diets of the Blue Shark <i>Prionace glauca</i> , and Shortfin Mako, <i>Isurus oxyrinchus</i> , in Waters off the Northeastern United States	Tests for Call Restoration in the Gray Treefrog, <i>Hyla versicolor</i>	The Foraging Ecology of Juvenile Spot, <i>Leiostomus xanthurus</i> , in Apalachicola Bay, Florida	
S Newman	M Waters	M Ceneviva-Bastos	<b>11:00 AM</b>
Inter-annual Variation in Lemon Shark Feeding Ecology at Bimini Bahamas	Lingual Luring by Viperine Snakes ( <i>Natrix maura</i> )	Do Food Web Parameters Vary According to Substrate Type? Evidences from Brazilian Streams	
J Link	N Gordon	<b>P McGrath - EE</b>	<b>11:15 AM</b>
What Would the Ocean Look Like without any Dogfish? Multimodel Inference from Simulations of the Northeast U.S. Large Marine Ecosystem	Environmental Context Matters, Limits of Female Preference for Male Quality in the Grey Treefrog, <i>Hyla versicolor</i>	The Diet of Longnose Gar, an Apex Predator in the Tidal Waters of Virginia, USA	
D Bethea	M Cardwell	<b>C Davis - EE</b>	<b>11:30 AM</b>
Diet of the Roundel Skate <i>Raja texana</i> from the Northern Gulf of Mexico, USA	Foraging Behavior of the Northern Mohave Rattlesnake	Diet of Young Lemon Sharks ( <i>Negaprion brevirostris</i> ) within a Nursery at the Chandeleur Islands, Louisiana	
M Ajemian	H Astley	<b>S Kim - EE</b>	<b>11:45 AM</b>
Feeding Ecology of Cownose Rays ( <i>Rhinoptera bonasus</i> ) from the northern Gulf of Mexico: Further Evidence of Opportunism?	The Celebrated Jumping Frogs of Calaveras County: Determining Maximal Jumping Performance in Frogs	Insight to California White Shark ( <i>Carcharodon carcharias</i> ) Diet Composition and Individuality Using Stable Isotope Analysis	
<b>LUNCH</b>			<b>12:00 PM</b>
<b>G = AES Gruber</b>	<b>C = ASIH Stoye Conservation EE = ASIH Stoye Ecology &amp; Ethology</b>	<b>GDM = ASIH Stoye Genetics, Development &amp; Morphology</b>	



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**BREAK-OUT SESSIONS AT A GLANCE**  
**SATURDAY, 10 JULY, Afternoon Sessions**

<b>ROOM</b>	<b>Ballroom D</b>	<b>Ballroom B</b>	<b>551 AB</b>
<b>SESSION/ SYMPOSIUM</b>	<b>Acoustics Symposium II</b>	<b>Roads Symposium II</b>	<b>AES Behavior &amp; Ecology</b>
<b>MODERATOR</b>	<b>P Narins</b>	<b>S Jacobson</b>	<b>M Heupel</b>
<b>1:30 PM</b>	<b>K Boyle - EE</b>	R Sauvajot	
	Divergent Sound Production Mechanisms in the Chaetodontid Butterflyfish Genera Forcipiger and Hemitaenichthys	Protecting Wildlife Habitat Linkages Through Collaborative Science, Transportation Planning, and Roadway Design Near Los Angeles, California	
<b>1:45 PM</b>	<b>H-K Mok</b>	K Gunson	J Marini
	Convergent Evolution for Sound Production with a Putative Slow Muscle in a Perciform Fish <i>Glaucosoma buergeri</i> (Glaucosomatidae)	Re-connecting Herpetofaunal Habitat across Roads in Southern Ontario: A Landscape-Level Strategy	Interactions Among Three Species of Sharks and Grouper Spawning Aggregations in the US Virgin Islands
<b>2:00 PM</b>	<b>M Montie</b>	S Jackson	G Poulakis
	In Situ Sound Production of Red Grouper ( <i>Epinephelus morio</i> ) on the West Florida Shelf	Outstanding Issues in the Use of Passage Structures for Amphibians and Reptiles	Distribution and Habitat Use of Juvenile Smalltooth Sawfish, <i>Pristis pectinata</i> , in the Charlotte Harbor Estuarine System, Florida
<b>2:15 PM</b>	<b>K Maruska</b>	B Branch	P Stevens
	Acoustic Communication in the Hawaiian Sergeant Damselfish	The MD RT 30 Hampstead Bypass: The Planning and Design of a Green Highway	Movements of Juvenile Smalltooth Sawfish, <i>Pristis pectinata</i> , in the Charlotte Harbor Estuarine System, Florida
<b>2:30 PM</b>	<b>S Malavasi</b>	P Nanjappa	M Heupel
	Sound Production in a Mudskipper ( <i>Periophthalmodon septemradiatus</i> ): Implications for the Study of Evolutionary Convergence Related to the Vertebrate Water-Land Transition	Moving Targets: Linking Priority Conservation Area Schemes and Climate Assessments for Proactive Planning and Integrated Ecosystem Connectivity	Spatial Ecology of Nearshore Elasmobranchs
<b>2:45 PM</b>	<b>L Ziegler</b>	S Jacobson	J Ketchum
	Flexibility in the Advertisement Call of <i>Hypsiboas pulchellus</i> (Anura: Hylidae) in Response to Microhabitat Characteristics	A Call to Action: Ten Steps to Take after the Symposium that Will Help Small Animals	Diel and Seasonal Movements of Scalloped Hammerhead Sharks ( <i>Sphyrna lewini</i> ) in the Galapagos Marine Reserve
<b>3:00 PM</b>	<b>E Ursprung</b>	Discussion	M Espinoza
	Calling Activity, Territory Size and Reproductive Success in the Dedrobatoid Frog <i>Allobates femoralis</i> (Aromobatidae) – An Integrative Approach		Influence of Water Temperature on Site Fidelity, Movements and Habitat Use of Gray Smooth-Hound Sharks, <i>Mustelus californicus</i> Gill (1863), in a Newly Restored Estuarine Habitat
<b>3:15 PM</b>	<b>A Simmons</b>		N Whitney
	Spatial Location Affects Vocal Interactions in Chorusing Bullfrogs		It's 3 A.M., Do You Know What Your Shark is Doing? Fine-scale Ethograms from Accelerometers
<b>3:30 PM</b>	<b>C Phillips</b>		A Fisk
	Sneaky Songs – Sound Production by <i>Cyprinella galactura</i> with Alternative Mating Strategies	Movement Patterns and Dive Depths of Satellite-tagged Greenland Sharks in the North Atlantic and Arctic Ocean	
<b>3:45 PM</b>		A Gleiss	
		Being Most Moved by that Sinking Feeling: Implications of Movement Geometry for Optimisation of Travel in Dense Marine Animals	
<b>4:00 PM</b>	<b>POSTER SESSION II</b> <b>Exhibit Hall D</b>		<b>AES Business Meeting</b> <b>(4 - 6 p.m.)</b>
<b>4:30 PM</b>			
<b>5:00 PM</b>			
<b>5:30 PM</b>			
<b>6:00 PM</b>	<b>SSAR Business Meeting</b> <b>(6 - 8 p.m.)</b>	<b>EE = ASIH Stoye Ecology &amp; Ethology</b>	

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**SATURDAY, 10 JULY, Afternoon Sessions**

<b>552 AB</b>	<b>555 AB</b>	<b>556AB</b>	<b>ROOM</b>
<b>AES Feeding Symposium II</b>	<b>Fish Evolution</b>	<b>NIA I</b>	<b>SESSION/ SYMPOSIUM</b>
<b>D McElroy</b>	<b>J Armbruster</b>	<b>H L-Fernandez</b>	<b>MODERATOR</b>
A Yamaguchi		<b>A Thomaz - N</b>	<b>1:30 PM</b>
Feeding habits of the fanray <i>Platyrrhina sinensis</i> (Batoidea: Platyrrhinidae) in Ariake Bay, Japan		Elucidating the Relationships and Diversity of <i>Hollandichthys Eigenmann 1909</i> (Teleostei: Characidae) at Populational and Supraspecific Levels - a Phylogenetic and Phylogeographic Approach	
D Perry	J Armbruster	<b>N Longrie - N</b>	<b>1:45 PM</b>
Feeding Ecology of Smooth Dogfish, <i>Mustelus canis</i> , in Buzzards Bay, Massachusetts	Linear Thinking and its Perils in Understanding the Evolution of Amblyopsid Cavefishes (Teleostei: Percopsiformes)	Sound Production and Associated Behaviors in the Nile Tilapia, <i>Oreochromis niloticus</i> (Cichlidae)	
P Blanco-Parra	N Salcedo	<b>R Garcez - N</b>	<b>2:00 PM</b>
Feeding Ecology of the Banded Guitarfish, <i>Zapteryx exasperata</i> , Inferred from Stable Isotopes and Stomach Contents Analysis	Test of Vicariant Speciation on the Andean Catfish Genus <i>Chaetostoma</i> (Siluriformes: Loricariidae) in Southeastern Peru, Based on Morphological and Genetic Evidence	Phylogenetic Relationships of the Cynodontidae (Teleostei, Characiformes) Based on Mitochondrial and Nuclear Gene Sequences	
M Belleggia	<b>D Lumbantobing - GI</b>	<b>L deSouza - N</b>	<b>2:15 PM</b>
The Feeding Ecology of <i>Mustelus schmitti</i> in the Southwestern Atlantic: Dietary Shifts and Geographic Variations	Recognition and Relationships of Areas of Endemism in South East Asia based on the <i>Rasbora sumatrana</i> Species Group (Teleostei: Cyprinidae)	The Influence of the Rupununi Portal on Freshwater Fish Distributions in the Guiana Shield	
A Preti	<b>N Aschliman - GI</b>	<b>F Carvalho - N</b>	<b>2:30 PM</b>
Comparative Feeding Ecology of Shortfin Mako, Blue and Common Thresher Sharks in the California Current, 2002-2008	A New Framework for Interpreting The Evolution of Skates And Rays (Chondrichthyes: Batoidea)	A New Genus of Miniature Characidae (Teleostei: Characiformes) from the Rio Arinos, Tapajós basin, Northwestern Brazil	
J Bizzarro	<b>R Eytan - GI</b>	H Lopez-Fernandez	<b>2:45 PM</b>
Standardized Diet Compositions and Trophic Levels of Rays	Multi-locus Phylogenetic Analysis, Species Tree Estimation, and Bayesian Divergence Dating of the Blenny Genus <i>Acanthemblemaria</i> (Teleostei: Blennioidei)	Timing and Patterns of Divergence in Neotropical Cichlid Fishes	
A Maljković	<b>R Javonillo - GI</b>	R Betancur-R.	<b>3:00 PM</b>
Trophic Niche Width Collapse in a Reef-Associated Shark: the Double Whammy Effect of Fisheries on Shark Prey Populations	A Supermatrix for Inference of Interrelationships among Characid Fishes (Teleostei: Otophysi)	Reconstructing Lionfish Invasion in the Western Atlantic: Mitochondrial Haplotypes Reveal Restricted Dispersal of One Species and a Compounded Founder Effect in the Caribbean Sea	
M Kinney	<b>M Tipton - GI</b>	H Banford	<b>3:15 PM</b>
Reassessing a Purported Communal Shark Nursery in Cleveland Bay, Queensland Australia	Phylogeography of the Blacknose Dace, <i>Rhinichthys atratulus</i> and Complications Caused by <i>Rhinichthys obtusus</i>	An Assessment of the Characin Genus <i>Hyphessobrycon</i> from Panama, With the Description of a New Species	
A Navia			<b>3:30 PM</b>
Topological Analysis Of The Ecological Importance Of Elasmobranch Fishes: The Gulf Of Tortugas Food Web, Colombian Pacific Ocean, As A Case Study			
D McElroy			<b>3:45 PM</b>
A Review of Selected Methods of Studying Food Habits and Trophic Ecology with Particular Reference to Elasmobranchs			
<b>POSTER SESSION II Exhibit Hall D</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>GI = ASIH Stoye General Ichthyology</b>		<b>N = NIA Best Student Paper</b>	

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**SUNDAY, 11 JULY, Morning Sessions**

<b>ROOM</b>	<b>Ballroom D</b>	<b>Ballroom B</b>	<b>551 AB</b>
<b>SESSION/ SYMPOSIUM</b>	<b>Lundberg Symposium</b>	<b>Herp Conservation II</b>	<b>AES Stress Symposium I</b>
<b>MODERATOR</b>	<b>P Mabee</b>	<b>R Lovich</b>	<b>G Skomal</b>
<b>8:00 AM</b>	J Baskin		G Skomal
	Evolutionary Trends in the Digestive Tract of the South American Parasitic Catfishes and Their Relatives (Telostei, Trichomycteridae)		Investigations into Physiological Stress in Elasmobranchs: A Historical Perspective
<b>8:15 AM</b>	B Block	A Kemp	
	The Physiology, Ecology and Conservation of Northern Bluefin Tunas	The Effects of the Invasive Shrub <i>Berberis thunbergii</i> and Exotic Earthworms on Salamander Populations and Leaf Litter Communities	
<b>8:30 AM</b>	C Cox Fernandes	C Adams	WG Anderson
	John G. Lundberg Trawls the Orinoco and the Amazon	The Effects of Chinese Tallow ( <i>Triadica sebifera</i> ) on <i>Lithobates sphenoccephalus</i> Hatching	Probing the Depths: What Can the Endocrine Stress Response in Teleost Fishes Tell us about Stress in Elasmobranch Fishes
<b>8:45 AM</b>	R Reis	H Waddle	
	A Total Evidence Phylogeny of the Neoplecostomine and Hypoptopomatine Armored Catfishes	Presence of Invasive Cuban Treefrog Reduces Probability of Occurrence of Native Treefrog Species in Southern Florida	
<b>9:00 AM</b>	K Luckenbill	B Egeter	C Awruch
	Lundberg: A Retrospective Through Figures	A DNA-Based Method to Identify Prey Remains of <i>Litoria raniformis</i> in Norway Rat Stomach Contents	Are Steroid Hormones Useful to Evaluate Stress in Sharks?
<b>9:15 AM</b>	P Mabee	D Paulson	C Simpfendorfer
	New Tools for the Study of Development and Evolution of the Fish Skeleton	An Experimental Test Of Tunnel Size And Position On Passage Of Painted Turtles ( <i>Chrysemys picta</i> )	The Physiology Of Deepwater Sharks: Can Biochemical Methods Be Used To Develop Stress Profiles?
<b>9:30 AM</b>	<b>BREAK - Exhibit Hall D</b>		
<b>SESSION/ SYMPOSIUM</b>	<b>Lundberg Symposium</b>	<b>Herp Conservation II</b>	<b>AES Stress Symposium I</b>
<b>MODERATOR</b>	<b>J Baskin</b>	<b>H Waddle</b>	<b>C Simpfendorfer</b>
<b>10:00 AM</b>	P Motta	B Hagerty	M McComb
	Simplicity and Conservation of The Selachian Feeding Bauplan	Identifying the Genetic and Immune Consequences of Translocating the Mojave Desert Tortoise	Stress in the Amazonian Ornamental Cururu Stingray <i>Potamorhynchus cf. histrix</i> During Transport
<b>10:15 AM</b>	P Reinthal	J Willson	J Hendon
	Integrating Ecological and Contaminant Studies Using Radiogenic and Stable Isotopes: Case Studies of Lead Contamination in Aravaipa Creek, Arizona and Paleocological Conditions in Lake Malawi, Africa	Identifying Plausible Scenarios for the Establishment of Invasive Burmese Pythons in Southern Florida	The Effects of Capture and Handling Stress on Atlantic Sharpnose Sharks, <i>Rhizoprionodon terraenovae</i> : A Comparison of Single and Repeated Stressors
<b>10:30 AM</b>	M Rocha	K Kriger	<b>A Cicia - G</b>
	Recent Advances in Pimelodidae Systematics	SAVE THE FROGS! - Translating Science into Action	The Acute Physiological Effects and Recovery from Graded Periods of Air Exposure in Skates From the Western Gulf of Maine
<b>10:45 AM</b>	M Sabaj Pérez	R Christoffel	E Brooks
	John Lundberg: the Man behind the Whiskers	SCALES: Saving Snakes is Our Aim!	The Physiological Consequences of Longline Capture in Caribbean Reef Sharks ( <i>Carcharhinus perezii</i> )
<b>11:00 AM</b>	G Smith	C Jenkins	<b>H Marshall - G</b>
	Late Cenozoic Ameiurus from Pacific Drainage North America	The IUCN Viper Specialist Group: Viper Conservation on a Global Scale	Molecular and Biochemical Stress-response in the Blood of Longline Captured Pelagic Sharks
<b>11:15 AM</b>	J Sullivan	R Lovich	D Bernal
	John Lundberg, Ichthyological Evangelist, Molecular Phylogeneticist, and an Expanded Molecular Phylogenetic Hypothesis for the "Big Africa" Catfish Clade	The DoD PARC Strategic Plan: Purpose, Strategies, and Implementation Opportunities	Molecular and Biochemical Stress Responses and Post-release Survival in Thresher Sharks Captured by the California Recreational Fishery
<b>11:30 AM</b>	P Wainwright	R Seigel	<b>L Frick - G</b>
	John Lundberg's Influence: Tree Thinking, Fossils and Functional Innovations in Parrotfishes	Preparing for the Inevitable: Anticipated Sea Level Rise and the Impacts on Reptiles and Amphibians at the Kennedy Space Center, Florida	Are Physiological Indicators of Stress Reliable Predictors for Delayed Mortality of Sharks? Insights from a Controlled Study on Capture Stress
<b>11:45 AM</b>	M Westneat	G Rodda	L Naples
	Creative Ichthyological Research and the Holy Trichotomy: Phylogenetics and Functional Morphology Inspired by John Lundberg	The Seduction of MaxEnt: Challenges in Identifying Sites Climatically Matched to the Native Ranges of Animal Invaders	The Influence of Venipuncture Site on Secondary Blood Physiological Values During Elasmobranch Health and Stress Investigations
<b>12:00 PM</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>
			<b>G = AES Gruber</b>

2010 Joint Meeting (JMIH), Providence, RI  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SUNDAY, 11 JULY, Morning Sessions**

<b>552 AB</b>	<b>555 AB</b>	<b>556 AB</b>	<b>ROOM</b>
	<b>Fish Behavior/Acoustics</b>	<b>Herp Morphology</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>P Auster</b>	<b>J Deitloff</b>	<b>MODERATOR</b>
		J Deitloff	<b>8:00 AM</b>
		Color Variation Between Clutches and Sexes in <i>Drymarchon couperi</i>	
		J McCartney	<b>8:15 AM</b>
		Morphometric Analysis of Intracolumnar Variation in Vertebral Morphology in Snakes	
	E Clark	S Mohammadi	<b>8:30 AM</b>
	Behavior of <i>Trichonotus elegans</i> (family Trichonotidae) and its cohabitation with the Garden Eel, <i>Gorgasia maculata</i>	A Comparison of Adrenal Glands in Toad Eating and Non-toad Eating Snakes	
	P Auster	J Rheubert	<b>8:45 AM</b>
	Behavior Webs Linking Mid-water and Demersal Piscivores at a Subtropical Reef	Reproductive Morphology of <i>Hemidactylus turcicus</i>	
	T Donaldson	S Trauth	<b>9:00 AM</b>
	Characterization of Spawning Aggregations of Two Nesting Triggerfishes (Balistidae)	Ultrastructural Observations of the Secretory Epithelium of the Distal Genital Tract in the Flathead Snake, <i>Tantilla gracilis</i>	
	J Franks	B Zimkus	<b>9:15 AM</b>
	Behavior And Habitat Preferences Of Cobia ( <i>Rachycentron canadum</i> ) In The Gulf Of Mexico Inferred From Pop-Up Satellite Archival Tags	Evolution of Miniaturized Body Size in Puddle Frogs (Anura: Phrynobatrachidae): Correlations with Osteology, External Morphology, and Reproductive Mode	
<b>BREAK - Exhibit Hall D</b>			<b>9:30 AM</b>
<b>AES Genetics</b>	<b>Fish Behavior/Acoustics</b>	<b>Herp Development</b>	<b>SESSION/ SYMPOSIUM</b>
<b>D Chapman</b>	<b>J Luczkovich</b>	<b>J Van Dyke</b>	<b>MODERATOR</b>
	E Parker	J Van Dyke	<b>10:00 AM</b>
	Effect of Rearing Temperature on the Onset and Duration of Dispersal of Early Life Stages of Shortnose Sturgeon ( <i>Acipenser brevirostrum</i> Lesueur 1818)	Estimating Reproductive Effort in Viviparous snakes: Metabolic Costs of Vitellogenesis	
	K Shaw	B Jellen	<b>10:15 AM</b>
	Geographic Variation in the Presence of the Sneaker Repertoire and Sneak Fertilization Propensity in the Threespine Stickleback ( <i>Gasterosteus aculeatus</i> L.)	Estradiol Varies Throughout the Shed Cycle and Influences Attractivity in Female Watersnakes ( <i>Nerodia sipedon</i> )	
J Schmidt	D Figueroa	J Hanken	<b>10:30 AM</b>
Paternity Analysis in a Litter of Whale Shark Embryos	The Benthic Chondrichthyes and the Internal Fecundation	Evolutionary-developmental Basis of Novel Gut Morphology in Frogs	
T Daly-Engel	D Mann	B Ballengee	<b>10:45 AM</b>
Male-Mediated Dispersal in an Incipient Global Ring Species, the Scalloped Hammerhead Shark ( <i>Sphyrna lewini</i> )	Local Spawning Synchrony in the Soniferous Damselfish, <i>Dascyllus albisella</i>	Predation-Induced Limb Deformities in Southern Quebec Amphibians	
C Curtis	P Speares	S Sessions	<b>11:00 AM</b>
Population genetics of the endangered smalltooth sawfish, <i>Pristis pectinata</i>	The Effects of Conspecific Playbacks on Behavior and Hormone Modulation in <i>Ethesotoma crossopterum</i>	Limb Deformities in Amphibians: Developmental Mechanisms	
D Chapman	J Luczkovich	G Carfagno	<b>11:15 AM</b>
Is there genetic evidence of a recent population bottleneck in white sharks ( <i>Carcharodon carcharias</i> ) from the northwest Atlantic?	Sounds Of Fishes: How Much Can Be Learned About The Behavior, Ecology, Evolution And Fisheries Management From Listening To Fishes?	Predators, Plasticity and Costs of Inducible Defenses: How the Cricket Frog ( <i>Acris blanchardi</i> ) Lost its Spot	
	E Parmentier	T Escalona	<b>11:30 AM</b>
	Diversity in the Sound Production Mechanism in Ophidiiformes	Maternal Effects Of Female Size On The Reproductive Characteristics Of The Endangered South American Freshwater Turtle, <i>Podocnemis unifilis</i>	
	S Oliver	D Siegel	<b>11:45 AM</b>
	Direct Mate Choice for Simultaneous Acoustic and Visual Courtship Displays in a Pomacentrid Fish, <i>Dascyllus albisella</i>	Sexual Kidneys in Salamanders	
<b>LUNCH</b>	<b>LUNCH</b>	<b>LUNCH</b>	<b>12:00 PM</b>

2010 Joint Meeting (JMIH), Providence, RI  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SUNDAY, 11 JULY, Afternoon Sessions**

ROOM	Ballroom D	Ballroom B	551 AB
SESSION/ SYMPOSIUM	Acoustics Symposium III	Herp Conservation III	AES Stress Symposium II
MODERATOR	D Mann	D Skelly	J Mandelman
1:30 PM	P Anderson	M Gaudreau	M Hyatt
	Hearing and Acoustic Communication in the Lined Seahorse ( <i>Hippocampus erectus</i> )	Incidence of <i>Batrachochytrium dendrobatidis</i> in Rhode Island Anuran Populations	Assessment and Comparison of Acid-Base Derangements from Capture and Handling Methods Among Three Species of Sharks: <i>Carcharhinus leucas</i> , <i>Negaprion brevirostris</i> , and <i>Sphyrna tiburo</i>
1:45 PM	F Ladich	M Igleski	R Wilborn
	Sound Production, Hearing Abilities and Acoustic Communication in the Longsnout Seahorse <i>Hippocampus reidi</i>	What Environmental Variables Affect <i>Batrachochytrium dendrobatidis</i> Infection of Green Frogs ( <i>Lithobates clamitans melanota</i> ) In Michigan?	Effects of Exhaustive Exercise on Juvenile and Adult Stingrays, <i>Dasyatis sabina</i>
2:00 PM	M Sprague	B Talley	G Renshaw
	Propagation of Fish Sounds in Very Shallow Water	Patterns prevalence and intensity of infection of <i>Batrachochytrium dendrobatidis</i> across Illinois	Assessing Oxidative Stress in Sharks and Rays
2:15 PM	M Lugli	E Travis	J Gelseichter
	Ambient Noise and Shelter Acoustics Explain the Low-frequency Communication in Mediterranean Gobies	Population-level Impacts of Emerging Diseases on Red-spotted Newts ( <i>Notophthalmus viridescens viridescens</i> ) at a Blue Ridge Mountains Site in Georgia	Biomarkers of Physiological Stress Caused by Exposure to Environmental Pollutants in Sharks and their Relatives
2:30 PM	A Rice	R Brodman	B Casper
	Acoustic Ecology of Black Drum ( <i>Sciaenidae: Pogonias cromis</i> ): Understanding Population-level Vocal Behavior and Responses to Anthropogenic Noise Using Automated Sound Detection	The Effects of an Aquatic Glyphosate Herbicide on <i>Ambystoma</i> Salamander Larvae	Sharks and Environmental Noise... Are we Stressing Them Out?
2:45 PM	V Arch	D Skelly	Discussion
	Morphological Correlates of High-Frequency Hearing Sensitivity in Frogs Inhabiting Noisy Environments	Hermaphrodites in the Suburbs: the Landscape Ecology of Amphibian Intersex	
3:00 PM	K Kaiser	M Youngquist	
	Habitat Predicts Calling Response to Exogenous Noise in Neotropical Anurans	Is Timing Everything? The Effects of Carbaryl on Green Frog ( <i>Rana clamitans</i> ) Development and the Thyroid Hormone Axis	
3:15 PM	D Holt	L Neuman-Lee	
	The Effect Of Noise On Behavior And Acoustic Communication In The Blacktail Shiner ( <i>Cyprinella venusta</i> )	Estradiol Levels in Watersnakes ( <i>Colubridae: Nerodia</i> ) During Gestation as a Function of Exposure to Ingested Atrazine	
3:30 PM	M Herrera Montes	A Hall - EE	
	The Effect of Anthropogenic Noise on the Calling Behavior of Anurans in Urban Areas in Puerto Rico	Artificial Night Light and Nocturnal Anuran Calling Behavior in Northern Michigan Vernal Pools	
3:45 PM	K Smith		
	Evolutionary insights into a hybrid zone between the south-eastern Australian tree frogs, <i>Litoria ewingii</i> and <i>L. paraewingii</i>		
4:00 PM	<b>POSTER SESSION III</b> <b>Exhibit Hall D</b>		
4:30 PM			
5:00 PM			
5:30 PM			
6:00 PM			
	EE = ASIH Stoye Ecology & Ethology		

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**BREAK-OUT SESSIONS AT A GLANCE**  
**SUNDAY, 11 JULY, Afternoon Sessions**

<b>552 AB</b>	<b>555 AB</b>	<b>556 AB</b>	<b>ROOM</b>
<b>AES Morphology</b>	<b>Fish Ecology</b>	<b>No Session Scheduled</b>	<b>SESSION/ SYMPOSIUM</b>
<b>J Morrissey</b>	<b>R Javonillo</b>		<b>MODERATOR</b>
D Huber	H Owens - EE		<b>1:30 PM</b>
Biomechanics of Spinal Deformities in Captive Sandtiger Sharks <i>Carcharias taurus</i>	Predicting the Distribution of the coelacanth <i>Latimeria chalumnae</i> and <i>Latimeria menadoensis</i>		
W Mello	C Little		<b>1:45 PM</b>
Hammerhead sharks (Elasmobranchii: Sphyrnidae) from the Indo-Pacific: more species than it seems?	Movement Patterns of Atlantic Sturgeon ( <i>Acipenser oxyrinchus oxyrinchus</i> ) in the Saco River, ME		
K Yopak	D Fox		<b>2:00 PM</b>
Skating Over the Issue: Neural Adaptations to the Bathyal Environment in Deep-sea Skates	Marine Migration and Habitat Use of Atlantic Sturgeon ( <i>Acipenser oxyrinchus oxyrinchus</i> ) in the New York Bight		
J Morrissey	C Hammerschlag-Peyer - EE		<b>2:15 PM</b>
Morphological Variation of the Placoid Scales and Teeth of Chain Catsharks, <i>Scyliorhinus retifer</i> : The Influence of Body Location, Age, and Sex	Intraspecific Variation in Habitat Use in Two Coastal Fish Species		
<b>AES Open Mic</b>	<b>B Froeschke - EE</b>		<b>2:30 PM</b>
	Using a Modeling Approach to Determine Essential Fish Habitat within the Mission-Aransas National Estuarine Research Reserve		
	J Curtis		<b>2:45 PM</b>
	Detection of Wild Versus Hatchery-reared Spotted Seatrout Using Otolith Chemistry		
	<b>J Davis - C</b>		<b>3:00 PM</b>
	A Moveable Feast: Striped Bass Predation on Alosines during Vernal Spawning Migrations		
	<b>K Birkett - EE</b>		<b>3:15 PM</b>
	Changes in Fish Community Structure Due to Benthification in a Southeastern Michigan River		
			<b>3:30 PM</b>
			<b>3:45 PM</b>
<b>POSTER SESSION III Exhibit Hall D</b>			<b>4:00 PM</b>
			<b>4:30 PM</b>
			<b>5:00 PM</b>
			<b>5:30 PM</b>
		<b>ASIH Business Meeting (6 - 8 p.m.)</b>	<b>6:00 PM</b>

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**BREAK-OUT SESSIONS AT A GLANCE**  
**Monday, 12 JULY, Morning Sessions**

<b>ROOM</b>	<b>Ballroom D</b>	<b>Ballroom B</b>	<b>551 AB</b>
<b>SESSION/ SYMPOSIUM</b>	<b>Fish Systematics I</b>	<b>Headstarting Turtle Symposium I</b>	<b>Amphibian Ecology</b>
<b>MODERATOR</b>	<b>R Wood</b>	<b>W Roosenburg</b>	<b>K Warkentin</b>
<b>8:00 AM</b>	L Rocha	R Burke	
	Genic Speciation and the Accuracy of the Molecular Clock	Headstarting Turtles - Learning From Experience	
<b>8:15 AM</b>	L Smith	M Wojakowski	C Mott
	Inter- and Intrarelationships of the Perciformes	Using Stage-based Matrix Models to Examine and Prioritize Conservation Effort on Nesting Beaches	Ecological Consequences of Nonlethal Injury for a Larval Amphibian Intraguild Predator
<b>8:30 AM</b>	J Stauffer	C Innis	K Freidenburg
	Differentiation in Southern Appalachian Brook Trout, <i>Salvelinus fontinalis</i>	Veterinary Contributions to Chelonian Head-Start Programs	Oviposition Site Choice And Carryover Effects In The Wood Frog
<b>8:45 AM</b>	M Bell	T Wibbels	M Michel
	Twenty Years of Contemporary Evolution and Speciation by Anadromous Threespine Stickleback After Colonizing an Alaskan Lake.	Temperature-Dependent Sex Determination: Implications for Turtle Conservation Programs Using Egg Hatcheries and Head-starting	Spatial Dependence of Phenotype-Environment Associations for Tadpoles in Natural Ponds
<b>9:00 AM</b>	L Tornabene	A Negrete	D Saenz
	Exploring the Diversity of Western Atlantic Bathygobius (Teleostei: Gobiidae) with Cytochrome c Oxidase-I	Green Sea Turtle ( <i>Chelonia mydas</i> ) Headstarting Program at Xcaret Park Quintana Roo, Mexico	Antipredator Mechanisms in Larval Anuran Communities
<b>9:15 AM</b>	M Sandel	D Shaver	K Warkentin
	Phylogenetic Affinities and Interrelationships of Centrarchidae and Elasmobranchidae: A Synthesis of Molecules, Morphology and Biogeography	Experimental Head Starting of Kemp's ridley ( <i>Lepidochelys kempii</i> ) Sea Turtle: A Large Scale Case Study	Consequences of Hatching Timing in Red-eyed Treefrogs: Timescale, Currency and Context-dependence of Trade-offs
<b>9:30 AM</b>	<b>BREAK - RICC 5th Floor</b>		
<b>SESSION/ SYMPOSIUM</b>	<b>Fish Systematics I</b>	<b>Headstarting Turtle Symposium I</b>	<b>NIA II</b>
<b>MODERATOR</b>	<b>M Bell</b>	<b>T Tuberville</b>	<b>J Albert</b>
<b>10:00 AM</b>	P Unmack	A Rahim	
	A Mitochondrial DNA Phylogeny of <i>Oncorhynchus clarkii</i> , Cutthroat Trout	Conservation Status and Tagging Programs of Green Turtles on the Makran Coast at Daran Beach, Jiwani, Pakistan	
<b>10:15 AM</b>	C McMahan	C Brown	J Albert
	Systematics of Cichlid Fishes of the Genus <i>Vieja</i>	Restoration of Western Pond Turtles in the MSCP Region of San Diego, California	Why Are There So Many Species? The Case of the Neotropical Ichthyofauna
<b>10:30 AM</b>	T Near	N Geist	E Maxime
	Phylogenetics and Diversification of Amblyopsid Cavefishes (Teleostei: Perciformes)	The Role of Incubation Temperature and Clutch Effects in Development and Phenotype in Headstarted Western Pond Turtles ( <i>Emys marmorata</i> )	Phylogenetic Position of <i>Gymnotus inaequiliabius</i> (Valenciennes, 1847) Using Osteological Data from Computed Tomography
<b>10:45 AM</b>	G Orti	K Buhmann	<b>T Carvalho - GI</b>
	Phylogeny, Species Boundaries, and Marine to Freshwater Transitions in South American Silversides	Reintroduction and Head-starting as Conservation Tools for Blanding's Turtles	Osteology And Relationships Of The Monotypic <i>Iracema caiana</i> Triques, 1996 (Gymnotiformes: Rhamphichthyidae) Using High Resolution X-Ray Computed Tomography
<b>11:00 AM</b>	F Pezold	B Windmiller	F Provenzano
	Phylogeny Of The Gobiidae (Gobiiformes) Inferred From Nuclear DNA Sequence Analyses	Nest Protection and Headstarting as Tools to Aid in the Recovery of a Declining Blanding's Turtle Population	The Preopercular Laterosensory Canal in Loricariidae (Teleostei: Siluriformes)
<b>11:15 AM</b>	K Tang	S Masin	C DoNascimento
	Phylogenetic Relationships of the Cyprinid Subfamily Gobioninae (Teleostei: Cypriniformes)	Head-starting European Pond Turtle ( <i>Emys orbicularis</i> ) for Reintroduction: Patterns of Growth Rate	An Unexpectedly Diverse Group of Miniature and Sexually Dimorphic Neotropical Catfishes Representing a New Genus (Siluriformes, Heptapteridae)
<b>11:30 AM</b>	R Wood	S Mitrus	
	Molecular Systematics and Population Subdivision within <i>Crystallaria asprella</i> Recently Rediscovered Populations from Missouri	Body Size of Several Years Old the European Pond turtles - Wild and Headstarted Ones	
<b>11:45 AM</b>	B Keck	T Herman	
	Species Tree Estimation in a Clade with Multiple Instances of Mitochondrial Introgression	The Headstarting Program for Blanding's Turtle ( <i>Emydoidea blandingii</i> ) in Nova Scotia: From Tenuous First Steps	
<b>12:00 PM</b>	<b>LUNCH</b>		
			<b>LUNCH</b>
			<b>GI = ASIH Stoye General Ichthyology</b>

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**BREAK-OUT SESSIONS AT A GLANCE**  
**Monday, 12 JULY, Morning Sessions**

552 AB	555 AB	556 AB	ROOM
No Session Scheduled	Fish Community Ecology	Herp Physiology	SESSION/ SYMPOSIUM
	H Owens	E Taylor	MODERATOR
			8:00 AM
		G Marvin	8:15 AM
		Recovery of Swimming Performance after Tail Loss Varies with Body Size in a Desmognathine Salamander	
	J Khudamrongsawat	C Distel - EE	8:30 AM
	The First Official Record of an Invasive Sucker Mouth Armored Catfish ( <i>Pterygoplichthys pardalis</i> : Loricariidae) in Klong Na-Kluea, Pattaya City, Thailand, and its Habitat and Reproductive Characteristics	Pesticide Has Asymmetric Effects on Sympatric Anuran Populations Over Time	
	M O'Connell	C Bevier	8:45 AM
	A Second Cichlid Species in Louisiana: The Cusp of Invasional Meltdown?	The Effects of Modulating the Epibiotic Microbial Community in Two Frogs from the Atlantic Forest	
	H Poulos	J Hill	9:00 AM
	Potential Habitat Modeling of Four Aquatic Invasive Fish ( <i>Channa argus</i> , <i>Cyprinella lutrensis</i> , <i>Neogobius melanostoma</i> , and <i>Hypophthalmichthys molitrix</i> ) in the Continental US	Bacterial Diversity in the Gastrointestinal Tracts of Three Species of Anurans	
	F Veraldi	C Peterson	9:15 AM
	A Brief Synopsis of the Chicago Area Waterway System and the Potential Dispersal of Asian Carps and Other Non-Indigenous Fishes: A Technical Perspective	Salinity tolerance of hatchling diamondback terrapins	
<b>BREAK - RICC 5th Floor</b>			<b>9:30 AM</b>
	Fish Community Ecology	Herp Physiology	SESSION/ SYMPOSIUM
	H Owens	C Bevier	MODERATOR
		J Foronda - PPE	10:00 AM
		Metabolic Responses to Chronic Temperature in Two Populations of Italian Wall Lizard <i>Podarcis sicula</i>	
	H Masonjones	E Taylor	10:15 AM
	Population Estimates and Movement Trends of Syngnathid Fishes in a Tampa, FL Seagrass Community	Effects of Testosterone on the Bactericidal Properties of Lizard Blood	
	R Matheson	N Pollock - PPE	10:30 AM
	Zoogeographic and Bathymetric Gradients in Demersal Fish Community Structure on the West Florida Shelf	Role of Host Preference and Testosterone in the Host- Parasite Relationship of the Western Fence Lizard ( <i>Sceloporus occidentalis</i> ) and Western Black-Legged Tick ( <i>Ixodes pacificus</i> )	
	J Granneman	J Steffen	10:45 AM
	An Assessment of Reef Fish Communities on Artificial and Natural Reefs in the Southern California Bight	The Energetic Costs of Social Displays in Male Brown Anoles	
	A Cook	S Graham - PPE	11:00 AM
	Deep-pelagic (0-3000 m) Fish Assemblage Structure over the Mid-Atlantic Ridge Relative to the North Atlantic Subpolar Front	Does Thermal Flexibility of an Innate Immune Cascade Allow Immunological Flexibility for the Cottonmouth?	
		D Hutchinson	11:15 AM
		Recent Discoveries on the Sequestration of Defensive Steroids by <i>Rhabdophis tigrinus</i>	
			11:30 AM
			11:45 AM
<b>LUNCH</b>			<b>12:00 PM</b>
	EE = ASIH Stoye Ecology & Ethology	PPE = ASIH Stoye Physiology & Physiological Ecology	



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<b>ROOM</b>	<b>Ballroom D</b>	<b>Ballroom B</b>	<b>551 AB</b>
<b>SESSION/ SYMPOSIUM</b>	<b>Fish Systematics II</b>	<b>Headstarting Turtle Symposium II</b>	<b>Herp Systematics</b>
<b>MODERATOR</b>	<b>GD Johnson</b>	<b>K Nagy</b>	<b>F Burbrink</b>
<b>1:30 PM</b>	J Baker		
	Molecular Systematics of the Darter Subgenera Ozarka and Psychromaster (Teleostei: Percidae)		
<b>1:45 PM</b>	R Chabarria	L Arsenault	T Jackman
	A Review of Caribbean Species of the Genus Sicydium (Gobiiformes: Sicydiinae) Using Morphological and Molecular Data	Post-release Survival, Growth, and Movement Patterns of Blanding's Turtle ( <i>Emydoidea blandingii</i> ) headstarts in Nova Scotia	The Development Of Novel Nuclear Protein Coding Genes For Phylogeographic and Phylogenetic Studies
<b>2:00 PM</b>	R Cleaver Yoder	T French	M Fisher-Reid
	Two New Cichlids in the Genus Stigmatochromis from Lake Malawi, Africa	Headstarting as a Tool in the Restoration of an Endangered Population of Northern Red-bellied Cooter	A Multi-locus Phylogeny of Plethodon (Caudata: Plethodontidae)
<b>2:15 PM</b>	K Cole	D Taylor	E Lehr
	How Does a Gonad Get from Here to There?	The Use Of Simple Protocol To Standardize The Efforts Of Cooperators Headstarting The Northern Red-bellied Cooter	Species Diversity of Bryophryne (Anura: Strabomantidae) in Peru
<b>2:30 PM</b>	J Colosi	R Wood	J Wiens
	Six New Darter Species Show the Importance of Molecular Phylogenies for Species Delimitation	A Unique Long-Term Headstarting Program for the Northern Diamondback Terrapin ( <i>Malaclemys terrapin</i> ) in Southern New Jersey, USA	Combining phylogenomics and fossils in higher-level squamate phylogeny: molecular data change the placement of fossil taxa
<b>2:45 PM</b>	M Davis	W Roosenburg	S Biswas
	Evolutionary Relationships of the Synodontoidaei (Euteleostei: Aulopiformes)	Comparison of Head-start and Wild Release Hatchlings from the Poplar Island Environmental Restoration Project	Systematics and Biogeography of the Genus <i>Cnemaspis</i> Strauch 1887
<b>3:00 PM</b>	<b>BREAK- RICC 5th Floor</b>		
<b>SESSION/ SYMPOSIUM</b>	<b>Fish Systematics II</b>	<b>Headstarting Turtle Symposium II</b>	<b>Herp Systematics</b>
<b>MODERATOR</b>	<b>C McMahan</b>	<b>R Burke</b>	<b>T Jackman</b>
<b>3:30 PM</b>	M De la Maza-Benignos	K Michell	A Bauer
	A Systematic Revision of the <i>Herichthys</i> Genus, with One New Genus and Three New Species Endemic to the Panuco-Tamesí River Basin, Mexico	Use of Radio-telemetry and Recapture to Determine the Success of Head-started Wood Turtles in New York	Phylogeny and Taxonomy of Tropical Asian Hemidactylus (Squamata: Gekkota: Gekkonidae)
<b>3:45 PM</b>	J Havird	J Gerlach	C Austin
	A New Species of <i>Lepidocephalichthys</i> (Teleostei: Cobitidae) with Unique Sexual Dimorphism and Relationships in Southern Lineages of Cobitidae	Headstarting Indian Ocean Giant Tortoises - Perspectives from Releases of Adults and Juveniles on Small Islands	Conservation Genetics of Boelen's Python ( <i>Morelia boeleni</i> ) from New Guinea: Reduced Genetic Diversity and Divergence of Captive and Wild Animals
<b>4:00 PM</b>	W Jere	J Veloso	J Schulte
	Two New Cichlid Species of the Genus <i>Mylochromis</i> , Lake Malaŵi, Africa	Reinforcing Through Head-starting a Population of <i>Erymnochelys madagascariensis</i> at Ankarafatsika National Park Madagascar	Comparative Analysis of Placental Transcriptomes in an Australian Viviparous Skink, <i>Pseudemoia pagenstecheri</i>
<b>4:15 PM</b>	GD Johnson	K Nagy	F Burbrink
	An Extraordinary Primitive Eel from Shallow Waters of Palau - New Family, Living Fossil?	Desert Tortoise Head-starting Research in California	How Does Ecological Opportunity Influence Rates of Speciation and Morphological Diversification in New World Ratsnakes (Tribe Lamprodelphini)?
<b>4:30 PM</b>	K Kuhn	L Hazard	D Cannatella
	Waiting for Resolution: An Example of Species Tree Inference in the Antarctic Fish Species Flock <i>Trematomus</i>	Dispersal and Survival of Neonate and Juvenile Desert Tortoises Following Release from Natal Pens	Why Stable Taxonomies Are Both Useful and Important
<b>4:45 PM</b>	M Lozano-Vilano	M Hinderliter	
	New Species of Poeciliid Fish from Northern Mexico, with Comments about its Genus	Effects of Age, Size, and Burrow Quality on Survivability of Head-Started Gopher Tortoises ( <i>Gopherus polyphemus</i> )	
<b>5:00 PM</b>	T Buser	T Tuberville	
	Molecular Systematics of the Brown Catshark ( <i>Apristurus brunneus</i> )	Headstarting as a Management Component for Gopher Tortoises ( <i>Gopherus polyphemus</i> ): Results and Observations from Three Study Sites	

2010 Joint Meeting (JMIH), Providence, RI  
**BREAK-OUT SESSIONS AT A GLANCE**  
**Monday, 12 JULY, Afternoon Sessions**

<i>552 AB</i>	<i>555 AB</i>	<i>556 AB</i>	<i>ROOM</i>
No Session Scheduled	No Session Scheduled	No Session Scheduled	SESSION/ SYMPOSIUM
			MODERATOR
			1:30 PM
			1:45 PM
			2:00 PM
			2:15 PM
			2:30 PM
			2:45 PM
BREAK - RICC 5th Floor			3:00 PM
			MODERATOR
			3:30 PM
			3:45 PM
			4:00 PM
			4:15 PM
			4:30 PM
			4:45 PM