



2013 Joint Meeting (JMIH), Albuquerque, NM  
**BREAK-OUT SESSIONS AT A GLANCE**  
**THURSDAY, 11 JULY, Afternoon Sessions**

	<i>Ruidoso/Pecos</i>		<i>San Miguel</i>		<i>Mesilla</i>	<i>ROOM</i>
	<b>ASIH Stoye General Ichthyology I</b>		<b>HL Graduate Student Award</b>		<b>AES Ecology</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Mark Pyron</b>		<b>Meredith Mahoney</b>		<b>Marcus Drymon</b>	<b>MODERATOR</b>
449	<b>S Ferdous</b>	766	<b>E Chambers</b>	106	K Stump	<b>1:30 PM</b>
	Molecar phylogeny of catfish genu <i>Mystus</i> Scopoli (Siluriformes:Bagridae)		Museums, molecular methods, and misidentification: DNA barcoding North American herpetofauna		Effects of Habitat Loss in a Shark Nursery: Community Characterization Before and After a Disturbance	
531	<b>A Thomaz</b>	95	<b>A Nicholson</b>	632	I Hamilton	<b>1:45 PM</b>
	Testing the combined effect of sea-level changes and habitat stability on genetic differentiation in a freshwater Neotropical fish		Seasonal Variation and Modifications of the Genital Kidney Nephrons in <i>Notophthalmus viridescens</i>		Examining the Parameters Affecting the Distribution of Juvenile Lemon Shark Populations in Mangrove Creek Systems	
192	<b>M Stachowski</b>	167	<b>D Davis</b>	188	C Peterson	<b>2:00 PM</b>
	Insights into Ilyodon: Phylogeography from South of the Border		Morphology-based Species Delimitation in Philippine Slender Skinks: Evaluation of the <i>Brachymeles bonitae</i> Complex		Sharks and Large Teleosts of Florida's Big Bend: Abundance, Distribution, and Community Structure	
75	<b>B Ludt</b>	318	<b>S Harrington</b>	497	M McCallister	<b>2:15 PM</b>
	Relationships within the surgeonfish genus <i>Prionurus</i> with comments on biogeography and evolutionary history		Inferring Basal Snake Phylogenetic Relationships Using Molecular, Morphological, and Fossil Data		Identifying a Scalloped Hammerhead Nursery in the Inshore Waters of NE Florida	
48	<b>M Tan</b>	457	<b>K Smith</b>	249	M Drymon	<b>2:30 PM</b>
	What is Miniaturization?: Lack of Miniaturization in the Evolution of Body Size in a Group Including Some of the Smallest Fishes in the World (Danioninae: Cyprinidae)		Radio telemetry and the neonate ecology of the Northern Pinesnake ( <i>Pituophis melanoleucus</i> )		Multi-scale Investigation of the Factors Affecting the Distribution of Sharks in the Gulf of Mexico	
19	<b>M Schwemm</b>	179	<b>D Ward</b>	260	J Davis	<b>2:45 PM</b>
	Evolution of the Upland Fish Fauna of Southern Oklahoma: Insights from a Phylogeographic Study of <i>Notropis suttkusi</i>		Population Estimate of the Northern Pine Snake in the New Jersey Pinelands		The Bull Sharks of Lake Pontchartrain	
<b>BREAK - NW Exhibit Hall</b>						<b>3:00 PM</b>
	<b>ASIH Stoye General Ichthyology I</b>		<b>HL Graduate Student Award</b>		<b>AES Ecology</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Marlis Douglas</b>		<b>Stan Trauth</b>		<b>Joe Bizzaro</b>	<b>MODERATOR</b>
430	<b>H Owens</b>	489	<b>C Casto</b>	133	G Poulakis	<b>3:30 PM</b>
	A Phylogentic Approach to Niche Evolution in Gadine Fishes		Survivorship of Ploidy-Variabile Unisexual <i>Ambystoma</i> Salamanders Across Stages of Development		Use of Stable Isotopes to Infer Feeding Habits and Ontogenetic Diet Shifts by the Endangered Smalltooth Sawfish ( <i>Pristis pectinata</i> ), in Florida	
503	<b>A Geheber</b>	180	<b>N Wilson</b>	66	B Frazier	<b>3:45 PM</b>
	Phylogenetic Structure in Darter Assemblages: Identifying Ecological Processes Through Evolutionary Relationships		Predator-Prey Interactions: Common Invertebrate Predators of Native Amphibian Eggs and Tadpoles in South Australia		Validated Age and Growth of the Bonnethead, <i>Sphyrna tiburo</i> , in the western North Atlantic Ocean	
155	<b>J Denton</b>	723	<b>S Rumschlag</b>	619	J Cochran	<b>4:00 PM</b>
	Covariation patterns of symmetric and asymmetric shape features in the lanternfish tribes <i>Myctophini</i> and <i>Gonichthyini</i> (Scopelomorpha; Myctophidae; Myctophinae)		How Time of Exposure to the Amphibian Chytrid Fungus affects Cope's Gray Treefrogs ( <i>Hyla chrysoscelis</i> ) in the Presence of an Insecticide		Habitat Use in Aggregating Red Sea Whale Sharks	
495	<b>J Cureton II</b>	468	<b>S Webb</b>	177	A Carlisle	<b>4:15 PM</b>
	Flow-induced phenotypic variation in <i>Pimephales</i> spp. (Cyprinidae)		Toxicological testing in Loggerhead Sea Turtle ( <i>Caretta caretta</i> ) primary skin cell cultures		Use of the California Current as a nursery area by juvenile salmon sharks	
502	<b>C Moran</b>			652	J Bizzaro	<b>4:30 PM</b>
	My, what big eyes you have! Do non-native species in the Colorado River basin have a greater reliance on vision, relative to native fishes?				Comparative spatial associations of skates ( <i>Rajidae</i> ) off central California	
				656	C Braun	<b>4:45 PM</b>
					Telemetry techniques elucidate Manta alfredii ecology in the eastern Red Sea	
				552	J Kilfoil	<b>5:00 PM</b>
					Assessment of shore based angling on sand tiger behavior: Implications for recovery	
				441	D Figueroa	<b>5:15 PM</b>
					Estimating the geographic range of a threatened shark in a data-poor region: <i>Cetorhinus maximus</i> in the South Atlantic Ocean	

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**FRIDAY, 12 JULY, Morning Sessions**

ROOM		<i>Brazos</i>		<i>Doña Ana/Cimarron</i>		<i>Galisteo/Aztec</i>
<b>SESSION/ SYMPOSIUM</b>		<b>HL Detectability Symposium</b>		<b>ASIH Stoye Ecology &amp; Ethology</b>		<b>Amphibian Conservation</b>
<b>MODERATOR</b>		<b>Andrew Durso</b>		<b>Bernard Kuhajda</b>		<b>Sarah Corey-Rivas</b>
<b>8:00 AM</b>			507	<b>J Zeyl</b>	562	S Corey-Rivas
				Acoustic Communication in the Banded Sculpin, <i>Cottus carolinae</i>		Using Phylogenetic Signal in Assessments of Amphibian Extinction Risk
<b>8:15 AM</b>		Introduction	107	<b>D Lynch</b>	527	C Paszkowski
				Distribution and Abundance of the Endangered Yellowcheek Darter in the Little Red River Drainage of Arkansas		Using Automated Acoustic Recorders to Model the Occurrence and Habitat Associations of Anuran Amphibians in Northern Alberta, Canada
<b>8:30 AM</b>	308	L Bailey	140	<b>S Miyazono</b>	353	M Sredl
				Effects of Natural Stream Fragmentation on Desert Fish Metacommunities		Calibrating Our Progress Towards Recovery of Amphibian Populations: an Area-based Approach and Occupancy Modeling
<b>8:45 AM</b>		Estimating population vital rates: insights from species with complex life histories	465	<b>P Wieczorek</b>	267	C Salice
				Can morphology be used to accurately predict the successfulness of invasive species? A case study in the Mobile Basin		Risks of Pesticides to Amphibians: Are Widely Available Fish Toxicity Data Protective or Not?
<b>9:00 AM</b>	510	D MacKenzie	567	<b>B Spies</b>	258	R Van Meter
				Temperature-mediated variation in larval traits of a seasonally closed estuary specialist fish: how much does latitude matter?		Pesticide Uptake Across Amphibian Dermis after Simulating an Aerial Overspray
<b>9:15 AM</b>		Occupancy models: not all moonbeams and sunshine	709	<b>B Sanchez</b>	159	J Stabile
				Impact of organic pollutants on the growth and fecundity of <i>Paralabrax nebulifer</i> (barred sand bass) from Southern California		Several Aspects of the Biology of the Mona Island Coqui ( <i>Eleutherodactylus monensis</i> )
<b>9:30 AM</b>		<b>BREAK - NW Exhibit Hall</b>				
<b>SESSION/ SYMPOSIUM</b>		<b>HL Detectability Symposium</b>		<b>ASIH Stoye Ecology &amp; Ethology</b>		<b>SSAR Seibert Conservation</b>
<b>MODERATOR</b>		<b>Andrew Durso</b>		<b>Mel Warren</b>		<b>Bob Brodman</b>
<b>10:00 AM</b>	276	G Rodda	719	<b>A Belasen</b>	681	<b>T Ghandorouh</b>
				Effect of Subcanopy on Habitat Selection in the Blue-spotted Salamander ( <i>Ambystoma laterale-laterale-jeffersonianum</i> unisexual complex)		Assigning Conservation Priorities to Sites for Threatened Species of Lygosomatine Skinks and Diplodactylid Geckos in the Grand Sud, New Caledonia
<b>10:15 AM</b>		Stability of detection probabilities over 17 years at a single site	688	<b>J Stroud</b>	237	<b>P Vogrinc</b>
				Habitat niche partitioning in two tropical leaf-litter lizards (Scincidae)		Variation in Effectiveness Among Commonly-Used Sampling Techniques Influences Accurate Assessment of Community Composition and Abundance of Semi-aquatic Snakes
<b>10:30 AM</b>	513	J Willson	563	<b>C Howey</b>	286	<b>T Luckau</b>
				Snake on Fire: Habitat Use, Energy Expenditures, and Body Condition of Black Racers in Burned and Unburned Landscapes		Comparative Population Genetics of Two Species of Co-Distributed Lizards, <i>Sceloporus occidentalis</i> and <i>Aspidoscelis hyperythra</i>
<b>10:45 AM</b>		More than Nuisance Parameters: Detection Parameters as Indicators of Behavior and Abundance in Aquatic Snakes	399	<b>A Berkey</b>	575	<b>K Neal</b>
				Influence of Kinship on Fine-scale Spatial Distribution of Four-toed Salamander, <i>Hemidactylum scutatum</i>		Comparing Population Genetic Structure in Two Sympatric New Caledonian Lizards: Implications for Conservation in a Mining-impacted Region
<b>11:00 AM</b>	731	A Yackel Adams	362	<b>G Bury</b>	435	<b>R Stiles</b>
				Aggressive Behavior in the Western Pond Turtle on Stable and Rolling Logs		Amphibian Response to Restored Prairie Potholes
<b>11:15 AM</b>		Modeling Visual Detection Probabilities of an Invasive Snake: What have we Learned and What Insights do we Gain from Study Replication?	197	<b>M Holden</b>	153	<b>J Baxter-Gilbert</b>
				The Synergistic Effects of Multiple Stressors on Amphibian Larvae		On The Road Again: The Effectiveness of Mitigation Structures for Reducing Reptile Road Mortality and Maintaining Habitat Continuity
<b>11:30 AM</b>	125	S Price	6	<b>R Ligon</b>		
				Chameleon color change: Evidence for communication via rapid chromatic transformation		
<b>11:45 AM</b>		Detection and Occupancy Estimates of Anuran Amphibians: The Manual Calling Survey and Beyond				
<b>12:00 PM</b>		<b>LUNCH</b>		<b>LUNCH</b>		<b>LUNCH</b>

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	<b>Fish Genetics I</b>		<b>SSAR Seibert Systematics &amp; Evolution II</b>		<b>AES Stingray Symposium</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Matt White</b>		<b>Sara Ruane</b>		<b>Sonja Fordham</b>	<b>MODERATOR</b>
134	M White	638	J Titus-McQuillan - S	65	J Neer	8:00 AM
	Distribution and Evolutionary History of the Native Walleye in the Ohio River Drainage		Phylogenetic Relationships Among African Shovel-nose Snakes (Serpentes: Lamprophiidae)		A multi-decade review of durophagous stingray research: from eradication to conservation	
439	M Jordan	746	A Geneva - S	85	N Aschliman	8:15 AM
	Contemporary Land Use and Post-Glacial Range Expansion Contribute to Genetic Variation in Creek Chub ( <i>Semotilus atromaculatus</i> ) Populations in an Agriculturally Dominated Watershed		Reproductive Isolation in Anolis lizards		Evolution of the durophagous stingrays (Batoidea: Myliobatidae)	
443	E Lescak	374	I Brennan - S	73	M Kolmann - G	8:30 AM
	Phenotypic and Genotypic Variation in Young Threespine Stickleback Populations from Prince William Sound and the Gulf of Alaska		Phylogeography of Delma (Squamata: Gekkota: Pygopodidae) in Arid and Semi-arid Australia		Ecomorphology of Durophagy in Myliobatiform Rays - Muscle Anatomy and Feeding Performance	
670	C Dillman	341	P Skipwith - S	36	C Bedore	8:45 AM
	Forensic investigations into a Genbank anomaly: Endangered Taxa and Missing Vouchers		Diversification Rates of New Caledonian Diplodactylid Geckos Inferred From Concatenated and Coalescent Divergence Time Estimates		Visual biology of cownose rays, <i>Rhinoptera bonasus</i>	
695	T Krabbenhoft	342	B Martin - S	81	J Szczepanski	9:00 AM
	Evolution and ecology of Mongolian grayling species ( <i>Thymallus</i> spp.): an individual-based approach		Molecular Phylogenetics of the American Box Turtles ( <i>Terrapene</i> spp.): A Classification Re-assessment and a Molecular Clock Depicting Divergence Time Estimates		Feeding ecology of the bullnose ray, <i>Myliobatis freminvillii</i> , in Delaware Bay	
781	C Purcell	419	A Kuhn - S	680	S Powers	9:15 AM
	Genetic variability in wild and hatchery populations of California yellowtail, <i>Seriola lalandi</i>		Multilocus phylogeny and phylogeography of the Namib day geckos (Squamata:Gekkonidae: Rhoptropus)		Spatial and temporal patterns of predation by cownose rays determines source and sink locations in bay scallops populations	
<b>BREAK - NW Exhibit Hall</b>						9:30 AM
	<b>ASIH Stoye General Ichthyology II</b>		<b>SSAR Seibert Systematics &amp; Evolution II/ Herp Systematics</b>		<b>AES Stingray Symposium</b>	<b>SESSION / SYMPOSIUM</b>
	<b>Tom Near</b>		<b>Gunther Koehler</b>		<b>Dean Grubbs</b>	<b>MODERATOR</b>
650	P Hollingsworth Jr.	15	A Diaz-Lameiro - S	470	L Bade	10:00 AM
	Explosive diversification following a benthic to pelagic shift in freshwater fishes		Colonization of Islands in the Mona Passage by Endemic Dwarf Geckoes (genus <i>Sphaerodactylus</i> ) Reconstructed with Mitochondrial Phylogeny		A Genetic Technique to Identify the Diet of Cownose Rays, <i>Rhinoptera bonasus</i> : Analysis of Shellfish Prey Items from North Carolina and Virginia	
190	L Bower	409	A Kathriner - S	254	K St. Clair	10:15 AM
	Shaping up: A Geometric Morphometric Approach to Community Ecomorphology		<i>Hemidactylus</i> from Timor provide further evidence of anthropogenic dispersal of <i>H. brookii</i> (Squamata: Gekkonidae)		Results of a captive feeding trial to determine turnover and discrimination of 13C and 15N in epidermis of cownose rays ( <i>Rhinoptera bonasus</i> )	
410	V Espindola	302	N Smolensky - S	130	G Poulakis	10:30 AM
	Taxonomic revision of the western South Atlantic rabbitfishes (Holocephali: Chondrichthyes) with three new records and an undescribed species		Phylogeography of African Dwarf Crocodiles ( <i>Osteolaemus</i> spp.)		Reproductive Biology of the Cownose Ray ( <i>Rhinoptera bonasus</i> ) in the Charlotte Harbor Estuarine System, Florida	
307	Z Randall	511	M Heinicke	584	K Bassos-Hull	10:45 AM
	On the Paraphyly of Homaloptera (Teleostei: Balitoridae)		Phylogeny, Taxonomy, and Biogeography of a circum-Indian Ocean Clade of Leaf-toed Geckos		Biology and Genetics of the Spotted Eagle Ray in the Eastern Gulf of Mexico	
557	D Roje	623	T Jackman	34	J Newby	11:00 AM
	Phylogenetic placement of flatfishes (Percomorpha: Pleuronectiformes) and the phylogenetic utility of three new molecular markers		Implications of the New Caledonian Diplodactylid Gecko Radiation for Coalescent and Concatenated Analyses		An Assessment of Population Genetic and Social Structure in the Spotted Eagle Ray ( <i>Aetobatus narinari</i> ) off Sarasota, FL and the southeastern United States	
603	R Arnold	651	M Medina	686	J McDowell	11:15 AM
	Evolutionary Relationships of the Enigmatic Anglerfishes (Order Lophiiformes): Preliminary Evidence from Nuclear Loci		Systematics of African Skinks in the <i>Panaspis wahlbergi</i> Complex		Species Boundaries and Cryptic Species in Atlantic Rhinopterids: Will the Real <i>R. bonasus</i> Please Stand Up?	
535	R Farr	171	C Linkem	434	M Ajemian	11:30 AM
	Molecular Phylogeny of Cusk-eels (Teleostei: Ophidiiformes: Ophidiidae)		Can phylogenomics provide resolution to the skink tree of life?		SPOT on at the largest of scales: use of towed-float satellite telemetry to track movements and migrations of myliobatid and rhinopterid stingrays	
186	R Singer	24	A Leaché			11:45 AM
	Does your flap hang low? Is it bony or a row? A revision of the genus <i>Acanthocobitis</i> (Teleostei: Nemachilidae) with recognition of the genus <i>Paracanthocobitis</i>		Horned Lizard Phylogeny from Genome-Wide SNP Data			
<b>LUNCH</b>						12:00 PM
			<b>S =SSAR Seibert Systematics &amp; Evolution</b>		<b>G = AES Gruber Award</b>	

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ROOM		Brazos		Doña Ana/Cimarron		Galisteo/Aztec
SESSION/ SYMPOSIUM		HL Detectability Symposium		ASIH Stoye Ecology & Ethology/ ASIH Stoye General Herpetology		SSAR Seibert Physiology & Morphology
MODERATOR		Richard Seigel		Mo Donnelly		Warren Booth
1:30 PM	166	M Mazerolle	303	B Kraus - EE	269	J Chamberlain
		Estimating Detectability and the Biological Parameters of Interest Using the R Environment		Spatial Ecology and Survivorship of Resident and Translocated Eastern Hellbenders ( <i>Cryptobranchus alleganiensis alleganiensis</i> )		Variation in maternal provisioning of offspring in watersnakes from different resource environments
1:45 PM			198	J Bennett - GH	215	S Green
				Response of spotted salamander ( <i>Ambystoma maculatum</i> ) to Salinity and Temperature		Diet and head shape in snakes: Is there a correlation?
2:00 PM	500	D Miller	330	M Steffen - GH	292	C Peterson
		Using occupancy models to determine the influence of water dynamics on amphibian communities		Pheromone Evolution and Reproductive Isolation in Dusky Salamanders		Gastrointestinal Microbes Do Not Influence Digestive Efficiency in African House Snakes ( <i>Boaedon fuliginosus</i> )
2:15 PM			556	J Feinberg - GH	195	S McCain
				A new cryptic leopard frog from the urban northeast and mid-Atlantic US: a summary of this unexpected discovery and a brief review of the species		Behavioral sensitivity to salinity and osmoregulatory capacity of the fully aquatic salamander, <i>Amphiuma tridactylum</i>
2:30 PM	226	K O'Donnell	463	M Hantak - GH	259	T Clay
		Evaluating the Effects of Forest Management on Terrestrial Salamander Detectability and Abundance		The Role of Chemical Compounds in the Defense Against Predation of Two Neotropical Anurans, <i>Dendrobates auratus</i> and <i>Rhaebo haematiticus</i>		Thermal Sensitivity of Energy Assimilation and Range Limitation in Plethodon
2:45 PM			219	M Ryan - GH	295	J Rearick
				Long-term Intraspecific Population Changes of Five Leaf-litter Frogs at Low and Middle Elevations in Costa Rica		Freeze Endurance: A Novel Measure to Compare Extreme Physiological Tolerances
3:00 PM	200	D Steen	735	S Lambert - GH	312	A Bennett
		How Can We Use Detection Probabilities and Occupancy Modeling to Learn More About Snakes?		A phylogenetic test of the cold-climate hypothesis for the evolution of viviparity in phrynosomatid lizards		Characterizing the Acute and Chronic Stress Response of Tadpoles ( <i>Lithobates sylvaticus</i> ) to Perceived Predation Risk
3:15 PM			602	B Lavin - GH	354	M Dickson
				Glass Lizards, Dirt Dragons, and Slow Worms: Molecular Dating in the Anguinae		Evolution on Your Porch: Rapid Physiological Adaptation by Mediterranean House Geckos to their Introduced Niches
3:30 PM	566	C Shea	590	E Klein - GH	512	L Gray
		Dealing with incomplete detection and misidentification to aid conservation of imperiled freshwater fishes and mussels in the southeastern United States		Biogeographic History and Phylogenetic Relationships of Skinks ( <i>Eumia cyanura</i> Species Group) on South Pacific Islands		Do allometries reveal evolutionary constraints in <i>Anolis</i> lizards?
3:45 PM			297	A Barley - GH	753	E Gren
				Species Delimitation at the Extremes: Diversification Without Morphological Change in Philippine Sun Skinks ( <i>Squamata: Scincidae: Eutropis</i> )		Geographic Variation of Venom Proteins and Neurotoxicity in the Southern Pacific Rattlesnake ( <i>Crotalus oreganus helleri</i> )
4:00 PM	521	A Durso		<b>POSTER SESSION I</b> <b>NW Exhibit Hall</b>		
4:15 PM		Which Snakes Cross the Road and When do They Cross it? Use of a Detectability Analysis on a Long-Term Road Survey Data Set				
4:30 PM		Closing Remarks				
4:45 PM						
5:00 PM						
5:30 PM						
6:00 PM						
		HL Business Meeting 6-8 p.m.		EE = ASIH Stoye Ecology & Ethology GH = ASIH Stoye General Herpetology		

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	<b>ASIH Stoye Genetics, Development &amp; Morphology</b>		<b>SSAR Seibert Ecology II</b>		<b>AES Stingray Symposium</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Mike Collyer</b>		<b>Ralph Saporito</b>		<b>John Szczepanski</b>	<b>MODERATOR</b>
53	<b>Z Martin</b>	142	<b>R Dibner</b>	111	J Perez	1:30 PM
	The Papilla Monologues: Comparative Morphology and Evolution of Genital Papillae in a Genus of Darters (Percidae: Etheostoma)		What Limits Horned Lizard ( <i>Phrynosoma hernandesi</i> ) Distribution and Relative Abundance in Wyoming?		The Small-Scale Target Fishery for Spotted Eagle Ray <i>Aetobatus narinari</i> in Southern Gulf of Mexico: Considerations for Management	
522	<b>T Clardy</b>	384	<b>L Williams</b>	99	A Yamaguchi	1:45 PM
	Morphology and Ontogeny of Multiple Lateral Lines in the Prickleback Genus <i>Xiphister</i>		The Use of Chemical Cues by Granite Night Lizards ( <i>Xantusia henshawi</i> ) to Evaluate Potential Predation Threat		Long-term biological study of longheaded eagle ray <i>Aetobatus flagellum</i> in Ariake Bay Japan	
114	<b>C Crawford</b>	496	<b>M Lattanzio</b>	164	R Grubbs	2:00 PM
	Exploring Chondrichthyan Anatomy through Computed Tomography		Life on the Phenotypic Edge: Linking Environmental and Phenotypic Variation with Fitness in a Polymorphic Lizard		A review of the life history of the cownose ray, <i>Rhinoptera bonasus</i> : Is a directed fishery sustainable?	
617	<b>I Macdonald</b>	538	<b>G Dixon-MacCallum</b>	334	S Fordham	2:15 PM
	Burial kinematics of the pacific sandfish: is the two-phase respiratory pump used for rapid burial?		Habitat use by Northwestern Gartersnakes ( <i>Thamnophis ordinoides</i> ) in Victoria, British Columbia		Preventing the Predictable Depletion of U.S. Atlantic Cownose Rays ( <i>Rhinoptera bonasus</i> )	
505	<b>J Bagley</b>	592	<b>C Loughran</b>			2:30 PM
	Phylogeography and Biogeography of the Lower Central American Neotropics: Diversification Between Two Continents, Between Two Seas		Ontogenetic Variation in the Thermal Biology of Northern Pacific Rattlesnakes ( <i>Crotalus oregonus</i> )			
315	<b>T Pilger</b>	612	<b>M Nafus</b>			2:45 PM
	Intrinsic and Extrinsic Factors Affecting Genetic Diversity and Gene Flow: Comparative Landscape Genetics of Gila River Fishes		Differential Habitat Use by Desert Tortoises ( <i>Gopherus agassizii</i> ) in Relation to Forage Availability			
223	<b>J Eichelberger</b>	666	<b>E Nordberg</b>			3:00 PM
	Single Nucleotide Polymorphisms (SNPs) Provide New Insights into Evolutionary Relationships and History of Hybridization among Scaphirhynchus Sturgeons		Thermal Ecology and Behavioral Activity of Hibernating Timber Rattlesnakes ( <i>Crotalus horridus</i> )			
234	<b>C Paterson</b>	104	<b>J Riley</b>		Discussion	3:15 PM
	The Genetic Diversity and Population Structure of Barred Sand Bass ( <i>Paralabrax nebulifer</i> )		Natural Variation in Incubation Temperatures Influence Locomotor Performance of Snapping Turtle ( <i>Chelydra serpentina</i> ) and Painted Turtle ( <i>Chrysemys picta marginata</i> ) Hatchlings			
587	<b>L Jackson</b>	675	<b>B Hills</b>			3:30 PM
	Primordial Germ Cell Development: An Evolutionary Approach to Genes and Morphology		Where to dig? Modeling Potential Diamondback Terrapin ( <i>Malaclemys terrapin</i> ) Nest Sites at North Inlet, SC, Using a Geographic Information System (GIS)			
280	<b>W Miller</b>	378	<b>D McKnight</b>			3:45 PM
	The Effects of Urbanization on Gene Flow and Genetic Population Structure in a Headwater Salamander, <i>Desmognathus fuscus</i> , Over Multiple Spatial Scales		The Omnivorous Diet of the Western Chicken Turtle ( <i>Deirochelys reticularia miaria</i> )			
	<b>POSTER SESSION I</b>					4:00 PM
	<b>NW Exhibit Hall</b>					4:30 PM
						5:00 PM
						5:30 PM
						6:00 PM

2013 Joint Meeting (JMIH), Albuquerque, NM  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SATURDAY, 13 JULY, Morning Sessions**

ROOM		<i>Brazos</i>		<i>Doña Ana/Cimarron</i>		<i>Galisteo/Aztec</i>
<b>SESSION/ SYMPOSIUM</b>		<b>ASIH Fish Out of Water Symposium</b>		<b>General Ichthyology</b>		<b>SSAR Effects of Energy Development on Herps Symposium</b>
<b>MODERATOR</b>		<b>Tom Turner</b>		<b>Kyle Piller</b>		<b>Jeff Lovich</b>
<b>8:00 AM</b>			744	M Warren		J Lovich/P Nanjappa
				North American Freshwater Fishes Book Project: Update with a Preview of Photographs and Illustrations		Introduction
<b>8:15 AM</b>			78	K Piller	124	J Lovich
				Fish kill in the Pearl River: The good, the bad, and the ugly		Renewable energy development and terrestrial and aquatic wildlife conservation: the new frontier
<b>8:30 AM</b>	88	S Ross	213	G Smith		
		Eco-Evolutionary Change and the Conundrum of Darwinian Debt		Introgression in Catostomin Fishes: Evolutionary Significance and Taxonomic Problems		
<b>8:45 AM</b>	89	C Hoagstrom	357	H Bart	67	D Keinath
		Tertiary Origins of Fish Endemism in North American Highlands: Parallel Evolution, Taxon Cycles, and Human Intrusions		The complicated genetics and taxonomy of western populations of <i>Carpodius carpio</i> Rafinesque: reflection, resurrection and revelation		Quantifying exposure of wildlife to energy development in the face of rapidly expanding U.S. production
<b>9:00 AM</b>	317	M Douglas	480	T Buser		
		Riverscape Genetics of Mountain Sucker ( <i>Catostomus platyrhynchus</i> ): Endemism Amidst Surprising Biogeographic Patterns		Molecular Systematics of the Oligocottinae (Tidepool Sculpin and its Allies)		
<b>9:15 AM</b>	14	M Pyron	676	D Lumbantobing	580	D Jochimsen
		Regime shift in a large river fish community: body size structure and trophic change		Variation in the Gill Arch of the Subfamily Danioninae (Teleostei; Cyprinidae)		The Impacts of Oil and Gas Development on Herpetofauna, with Particular Attention to Reptiles in Wyoming
<b>9:30 AM</b>	<b>BREAK - NW Exhibit Hall</b>					
<b>SESSION/ SYMPOSIUM</b>		<b>ASIH Fish Out of Water Symposium</b>		<b>General Ichthyology</b>		<b>SSAR Effects of Energy Development on Herps Symposium</b>
<b>MODERATOR</b>		<b>Steve Ross</b>		<b>Casey Dillman</b>		<b>Priya Nanjappa</b>
<b>10:00 AM</b>	282	P Moyle			570	S Spear
		Ecology of non-coevolved fish assemblages in the San Francisco Estuary, California				Modeling Western Rattlesnake habitat use and connectivity to inform the current and potential impacts of energy development
<b>10:15 AM</b>	39	K Gido	161	P Wainwright	97	D Wood
		Ecological and Evolutionary Consequences of Fragmentation of River Networks		Major Patterns of Body Shape Evolution in Acanthomorph Fishes		The potential impact of renewable energy development on regional genetic hotspots in the Mojave and Sonoran Deserts
<b>10:30 AM</b>	58	W Matthews	262	R West	791	W Palen
		Fish in Altered Waters: Species Associations in Oklahoma Streams Before and After the Era of Large Dam-Building		Sexual dimorphism and speciation in three pupfish species (Cyprinodon)		Balancing species conservation and small hydropower development in British Columbia
<b>10:45 AM</b>	42	N Franssen	636	R Oldfield	183	J Guzy
		Reservoirs as a Model System to Assess Contemporary Evolution in Stream Fishes		Evolutionary changes in parental care in North American cichlid fishes		Response of Riparian Reptile Communities to Damming and Urbanization
<b>11:00 AM</b>	339	M Collyer	755	M Sabaj Pérez	793	C Drost
		Examining the association between ecology and morphology in the Pecos pupfish ( <i>Cyprinodon pecosensis</i> ) in an altered and ecologically diverse landscape		An Eschatological Look at the Xingu's Big Bend: Volta Grande		Upstream and downstream effects of Glen Canyon Dam on northern leopard frogs ( <i>Rana pipiens</i> )
<b>11:15 AM</b>	8	M Blum	712	M Craig	242	J Williams
		Ridge-to-Reef Connectivity and Source-Sink Dynamics of Amphidromous Fish Across Oceanic Islands		On the generic and species limits of <i>Polyprion</i> and <i>Stereolepis</i> (Polyprionidae)		Impact of Mountaintop Removal Mines on Terrestrial and Aquatic Salamanders in Southern West Virginia
<b>11:30 AM</b>			574	H Hawk	405	J Klemish
				Age, Growth and Genetic Diversity of Giant Sea Bass, <i>Stereolepis gigas</i>		Amphibian Response to Oil Sands Reclamation and Restoration
<b>11:45 AM</b>		Discussion	585	H Pinheiro		
				Reef fishes of the Vitória-Trindade Seamount Chain, southwestern Atlantic		Discussion
<b>12:00 PM</b>		<b>LUNCH</b>		<b>LUNCH</b>		<b>LUNCH</b>

2013 Joint Meeting (JMIH), Albuquerque, NM  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SATURDAY, 13 JULY, Morning Sessions**

	<i>Ruidoso/Pecos</i>		<i>San Miguel</i>		<i>Mesilla</i>	<i>ROOM</i>
	<b>Amphibian Conservation/ Herp Morphology &amp; Histology</b>		<b>Herp Genetics &amp; Ecology</b>		<b>AES Gruber Award Papers</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Gordon Rodda</b>		<b>Brad Shaffer</b>		<b>Bob Hueter</b>	<b>MODERATOR</b>
		720	A Shedlock	663	<b>M Bond</b>	<b>8:00 AM</b>
			Mobile DNA in Reptiles and the Evolution of Amniote Genome Structure		Southern stingrays concentrate on shallow flats inside marine reserves: response to top-down or bottom-up processes?	
		690	H Shaffer	231	<b>K Lyons</b>	<b>8:15 AM</b>
			The First Turtle Genome		Quantification of Maternal Offloading of Organic Contaminants in a Histotrophic Elasmobranch the Round Stingray ( <i>Urobatis halleri</i> )	
748	J Gillette	762	R Ward	591	<b>P Clerkin</b>	<b>8:30 AM</b>
	Interspecific Interactions Between an Endemic Fish ( <i>Neochanna burrowsius</i> ) and an Invasive Frog ( <i>Litoria ewingii</i> ): a Benign Invader?		Landscape genetics of Cagle's map turtle ( <i>Graptemys caglei</i> ) in the Guadalupe and San Marcos Rivers of Texas		Reproductive biology and maturity of deep-sea sharks in the Southern Indian Ocean	
555	S Welch	537	B Levine	564	<b>B Prohaska</b>	<b>8:45 AM</b>
	Persistent effects of past land use on <i>Ambystoma cingulatum imperimilum</i>		Genetic Structure of the Copperhead ( <i>Viperidae: Agkistrodon contortrix</i> ) at its Most Northern Distribution		Development of a Non-lethal, Minimally Invasive Protocol to Study Elasmobranch Reproduction	
422	J Johnson	777	G Harper	11	<b>R Kempster</b>	<b>9:00 AM</b>
	The Effect of Mesocosm Hydroperiod on the Fitness of F2 Hybrid Tiger Salamanders		Evolution of the Phospholipase A2 venom gene in the five subspecies of copperhead, <i>Agkistrodon contortrix</i>		Survival of the Stillest: Predator Avoidance in Shark Embryos	
18	R Brodman	645	G Mount	83	<b>L Harris</b>	<b>9:15 AM</b>
	The direct effects of aquatic herbicide on Spotted Salamander eggs & larvae		Genomic Resource Development in California Ranids		Electroreception in the obligate freshwater stingray, <i>Potamotrygon motoro</i>	
<b>BREAK - NW Exhibit Hall</b>						<b>9:30 AM</b>
	<b>Amphibian Conservation/ Herp Morphology &amp; Histology</b>		<b>Herp Genetics &amp; Ecology</b>		<b>AES Gruber Award Papers</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>David Cundall</b>		<b>Rocky Ward</b>		<b>Steven Kaijura</b>	<b>MODERATOR</b>
428	D Cundall	595	L Freeborn	481	<b>T Gray</b>	<b>10:00 AM</b>
	The extraordinary nature of the anterior gut in snakes		A Population Genomic Scan of the Highly Polymorphic Strawberry Poison Frog ( <i>Dendrobates pumilio</i> ) Reveals Markers Strongly Associated with Color Pattern		Effective population size and genetic diversity of a species of concern, the sand tiger shark ( <i>Carcharias taurus</i> ) in Delaware Bay, USA	
501	E Freitas	194	N Harings	208	<b>K Atwater</b>	<b>10:15 AM</b>
	Osteological Correlates of Orbit Size in Squamate Reptiles		Desert Anuran Occurrence and Detection in Artificial Breeding Habitats		A mitogenomics view of the genetic status and population history of the basking shark, <i>Cetorhinus maximus</i>	
261	J Daza	96	K McEntire	355	<b>C Testerman</b>	<b>10:30 AM</b>
	Cranial morphology of <i>Aprasia repens</i> , a miniscule burrowing gekkotan		Movement Patterns of the Jollyville Plateau Salamander ( <i>Eurycea tonkawae</i> ) Near Lanier Spring in Bull Creek, Travis Co., Texas		Comparative Patterns of Global Population Genetic Structure in Four Fisheries Exploited Sharks of Conservation Concern	
517	D Green	74	N Bendik	482	<b>M Giresi</b>	<b>10:45 AM</b>
	Sex Ratio in Toads		Photographic Mark-Recapture: Applications and Utility for the Study of an Endangered Aquatic Salamander, <i>Eurycea tonkawae</i>		Morphologically conserved, genetically diverged; A key to distinguish among smoothhound sharks in the U.S. Atlantic	
739	D Provete	594	T McInnes	454	<b>A Carlson</b>	<b>11:00 AM</b>
	Phylogenetic signal and variation of visceral pigmentation in eight anuran families		Thermal Ecology of Western Diamond-backed Rattlesnakes ( <i>Crotalus atrox</i> ): Hibernation, Den Variation and Winter Mortality		Horizontal and Vertical Movement Patterns of Northwestern Atlantic Spiny Dogfish ( <i>Squalus acanthias</i> )	
196	D Adams	706	G Castañeda	412	<b>L Hollensead</b>	<b>11:15 AM</b>
	Rates of morphological evolution in European <i>Hydromantes</i> salamanders		Thermoregulations of <i>Uta stansburiana</i> at the South of its Distribution		Analysis of small scale and daily movement patterns of juvenile <i>Pristis pectinata</i> within a nursery habitat	
16	D Siegel	240	C Brewster	157	<b>A Pickard</b>	<b>11:30 AM</b>
	Notes on male <i>Ambystoma mavortium</i> life history		Quantifying the Cost of Thermoregulation: Thermal and Energetic Constraints on Growth Rates in Hatchling Lizards		Characterization of shark movements on a mesophotic Caribbean coral reef and temporal association with fish spawning aggregations	
		778	I Gherghel	35	<b>A Gallagher</b>	<b>11:45 AM</b>
			Interglaciations as laboratories for new species: using ecological niche models to study incipient evolution in Crested Newts		Relative Vulnerability of Sharks to the US Atlantic Pelagic Longline Fishery	
<b>LUNCH</b>						<b>12:00 PM</b>



2013 Joint Meeting (JMIH), Albuquerque, NM  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SATURDAY, 13 JULY, Afternoon Sessions**

ROOM		<i>Brazos</i>		<i>Doña Ana/Cimarron</i>		<i>Galisteo/Aztec</i>
<b>SESSION/ SYMPOSIUM</b>		<b>ASIH Fish Out of Water Symposium</b>		<b>Euteleost Tree of Life/ Fish Development</b>		<b>SSAR Effects of Energy Development on Herps Symposium</b>
<b>MODERATOR</b>		<b>Keith Gido/Nate Franssen</b>		<b>Richard Broughton</b>		<b>Jeff Lovich</b>
<b>1:30 PM</b>	348	M Power	484	R Broughton	743	C Painter
		Fish, Algae, and Food Webs under "Drought vs Deluge" Hydrologic Regimes in a River with Mediterranean Seasonality		EToL: Phylogenetic Relationships and Divergence Dates of "Basal" Bony Fish Lineages		CCA's and CCAA's - What are they, and are they adequate for use by the Oil/Gas energy companies to provide for the long-term conservation of the Dunes Sagebrush Lizard ( <i>Sceloporus arenicolus</i> ) and other species that may be endangered?
<b>1:45 PM</b>	347	J Trexler	450	R Betancur-R.	232	L Fitzgerald
		Emergent Effects of Disturbance Frequency and Return Time on a Wetland Metacommunity		EToL: The Tree of Life and a New Classification of Bony Fishes		How and why fragmentation from energy development impacts populations of Dunes Sagebrush Lizard ( <i>Sceloporus arenicolus</i> )
<b>2:00 PM</b>	289	G Grossman	629	G Orti	173	S Weir
		Consequences of flow and habitat alterations and fragmentation on stream fish assemblage structure and population dynamics		EToL: molecular markers for fish phylogenetics--past, present, and future		Understanding Risk of H2S Gas Emissions to the Dunes Sagebrush Lizard ( <i>Sceloporus arenicolus</i> ): Using the Western Fence Lizard ( <i>Sceloporus occidentalis</i> ) as a Surrogate Species
<b>2:15 PM</b>	32	J Schaefer	684	J López	722	J Homyack
		Variation in contact zone dynamics between two species of topminnows, <i>Fundulus notatus</i> and <i>F. olivaceus</i> , across isolated drainage systems		EToL: Comparative molecular evolution of protein- coding regions in euteleosts		Effects of Woody Biomass Harvesting and Intercropping Switchgrass in Pine Plantations on Herpetofauna
<b>2:30 PM</b>	326	M Douglas	440	M Sanciangco	69	B Bury
		Use of genetic data to guide management of an historically admixed species complex		ETOL: up in the percomorph tree		Effects of Forest Biomass Removal on North American Herpetofaunas: Can We Have Our Cake and Eat It, Too?
<b>2:45 PM</b>			296	F Zhang		
				EToL: Positive Selection on Mitochondrial OXPHOS Genes in Fishes with Different Swimming Performance		
<b>3:00 PM</b>		Discussion	383	J Harris	792	B Sinervo
				ETOL: The Comparative Anatomy of the Free Pectoral Rays in Scorpaenoid Fishes		The impact of solar farms and wind farms on population persistence and extinction of the desert tortoise, <i>Gopherus agassizii</i>
<b>3:15 PM</b>	236	T Dowling	321	K Dammerman		
		Molecular markers and management of endemic fishes from the mainstream Colorado River: razorback sucker ( <i>Xyrauchen texanus</i> ) as a case study		The effects of fluctuating thermal regimes on larval lake sturgeon development and behavior		
<b>3:30 PM</b>	436	T Turner				
		Comparative Genomics of Fishes in a Drying River: Are Stress and Immune Responses Similar Across Species?				Discussion
<b>3:45 PM</b>	26	C Taylor				
		Long-Term Effects of an Integrated Steelhead Supplementation Program				
<b>4:00 PM</b>		Discussion				
<b>4:15 PM</b>						
<b>4:30 PM</b>						
<b>5:00 PM</b>						
<b>5:30 PM</b>						
<b>6:00 PM</b>				<b>NIA Meeting 6-8 p.m.</b>		<b>SSAR Business Meeting 6 - 8 p.m.</b>

2013 Joint Meeting (JMIH), Albuquerque, NM  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SATURDAY, 13 JULY, Afternoon Sessions**

	<i>Ruidoso/Pecos</i>		<i>San Miguel</i>		<i>Mesilla</i>	<i>ROOM</i>
	<b>Snake Conservation</b>		<b>Herp Systematics &amp; Evolution</b>		<b>AES Gruber Award Papers</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Phil Cochran</b>		<b>Wolfgang Wüster</b>		<b>Kara Yopak</b>	<b>MODERATOR</b>
728	B Hamilton			366	H Christiansen	1:30 PM
	Short Distance translocation of Great Basin Rattlesnakes: Valid Management Strategy?				Sample preparation techniques for stable isotope analysis of elasmobranch vertebrae	
586	A Puente-Rolón	12	G Koehler	172	A Shaw	1:45 PM
	Translocation as a Management Technique <i>Epicrates inornatus</i> in the Northern Karst Region of Puerto Rico		Divergent Evolution of Genital Morphology, Speciation, and Hybridization in Central American Anoles (Squamata, Dactyloidae)		Trophic Ecology of an Estuarine Predatory Fish Community in South Carolina Assessed by Stable Isotope Analysis	
550	J Waldron	702	J Davis	123	C Bangley	2:00 PM
	Effects of Translocation on Eastern Diamondback Rattlesnake Spatial Ecology		A Phylogenetic Analysis of the <i>Anolis pentapirion</i> species group		Gastric evacuation, feeding ration, and potential predatory impact of spiny dogfish ( <i>Squalus acanthias</i> ) in the Northwest Atlantic	
44	P Cochran	455	S Poe	477	O Weideli	2:15 PM
	Observations on a Timber Rattlesnake ( <i>Crotalus horridus</i> ) Color Variant in Southeastern Minnesota		Phylogeny of Anolis		How effective is the usage of non-lethal stomach eversion to unveil shark diet alterations induced by anthropogenic habitat destruction?	
577	D Wylie	229	M Morando	246	J Bigman	2:30 PM
	Detection of <i>Chrysosporium</i> Infections in two North American Viper Species		Morphological Evolution In The <i>Liolaemus darwini</i> Species Group (Squamata: Liolaemini) Suggests Adaptive Diversification Associated With Climatic Niches		North Pacific spiny dogfish ( <i>Squalus suckleyi</i> ) trophic ecology: using integrated gut content and stable isotope analysis to infer short and long term feeding trends	
212	J Giermakowski	151	S Ruane	68	D Shiffman	2:45 PM
	Consequences of Climate Change for the Arizona Black Rattlesnake ( <i>Crotalus cerberus</i> ), a Southwestern Endemic		Phylogenetics of the Malagasy Pseudoxypophiine Radiation		Use of Social Media to Assess the Knowledge and Attitudes of Different Stakeholder Groups Towards Shark Conservation, Including Implications for Public Support for Management Policies	
446	J Bauder	116	W Wüster			3:00 PM
	Using Occupancy Rates of Potential Overwintering Habitat to Monitor Eastern Indigo Snakes ( <i>Drymarchon couperi</i> ) in Southern Georgia		Mitochondrial and nuclear gene sequences and morphological data reveal unexpected diversity in the African forest cobra ( <i>Naja melanoleuca</i> )			
306	A Sacerdote-Velat	49	C Hendry			3:15 PM
	Use of comparative brumation and release approaches for headstarting and recovery of smooth green snakes ( <i>Opheodrys vernalis</i> )		Ecological Divergence and Sexual Selection Drives Sexual Size Dimorphism in New World Pitvipers ( <i>Crotalinae</i> )			
275	J Pierce	710	G Pauly			3:30 PM
	Louisiana Pine Snake ( <i>Pituophis ruthveni</i> ) Population Declines		Phylogenetic Relationships and Species Boundaries among River Cooters, with a Focus on the Federally Endangered Alabama Red-bellied Turtle		<b>AES Business Meeting</b>	
71	D Leavitt					3:45 PM
	Measuring movements of Shovel-nosed Snakes of the genus <i>Chionactis</i> , with a particular emphasis on the Tucson Shovel-nosed Snake ( <i>Chionactis occipitalis klauberi</i> )					
	<b>POSTER SESSION II</b>					4:00 PM
	<b>NW Exhibit Hall</b>					4:30 PM
						5:00 PM
						5:30 PM
						6:00 PM

**2013 Joint Meeting (JMIH), Albuquerque, NM  
BREAK-OUT SESSIONS AT A GLANCE  
SUNDAY, 14 JULY, Morning Sessions**

ROOM		<i>Brazos</i>		<i>Doña Ana/Cimarron</i>		<i>Galisteo/Aztec</i>
SESSION/ SYMPOSIUM		<b>ASIH Fishes &amp; Morphology Symposium I</b>		<b>Fish Biology</b>		<b>Herp Behavior/ Amphibian Conservation</b>
MODERATOR		<b>Bruce Collette</b>		<b>Nancy Brown-Peterson</b>		<b>Stan Fox</b>
8:00 AM			98	L Kéver	761	E Santoyo-Brito
		Introduction		Sound Characteristics and Complex Sonic Apparatus Morphologies in Two Ophidiiformes: <i>Ophidion rochei</i> (Ophidiidae) and <i>Onuxodon fowleri</i> (Carapidae)		Ecology and Parental Care in <i>Liolaemus leopardinus</i> at High Elevations in the Andes of Chile
8:15 AM	558	H Schultze	394	K Boyle	60	M Paulissen
		Bony Fishes, their Morphology and Complex Evolutionary History: State of the Art		Electric organ discharge and sound emission in <i>Synodontis</i> spp. catfishes (family Mochokidae): variation of an apomorphic muscle		Environmental cues and learning bias in the Little Brown Skink Lizard, <i>Scincella lateralis</i>
8:30 AM			769	D Heins	87	B Coupe
				Host Responses to Parasitic Infection in the Threespine Stickleback Fish Infected by the Diphylobothriidean <i>Cestode Schistocephalus solidus</i>		An Individual-based, Spatially-explicit Simulation of Male Sidewinder Rattlesnake ( <i>Crotalus cerastes</i> ) Mate-location Methods
8:45 AM	37	J Maisey	582	J Bautista	784	R Weaver
		New Fossils provide Fresh Ideas about Chondrichthyan and Gnathostome Phylogeny		Reproductive biology of a severely depressed sport fish, the barred sand bass ( <i>Paralabrax nebulifer</i> ) from Southern California		Ecological Significance of Variation in Body Size in Populations of the Desert Nightsnake ( <i>Hypsiglena chlorophaea</i> )
9:00 AM			519	J Crovo	725	B Sullivan
				The Effect of Traffic Noise on the Stress Response in the Blacktail Shiner ( <i>Cyprinella venusta</i> )		Sex Related Variation in Over-wintering Behavior of <i>Gopherus morafkai</i> in Central Arizona
9:15 AM	683	M de Carvalho	756	N Wegner	416	R Vogt
		Morphology and Shark Non-monophyly, or Why Homology Still Matters in Systematics		Evidence for pectoral endothermy in the opah, <i>Lampris guttatus</i>		Postnatal Parental Care in the Giant Amazon River Turtle <i>Podocnemis expansa</i> in Brazil
9:30 AM		<b>BREAK - NW Exhibit Hall</b>				
SESSION/ SYMPOSIUM		<b>ASIH Fishes &amp; Morphology Symposium I</b>		<b>Fish Systematics &amp; Biogeography</b>		<b>Herp Behavior/ Amphibian Conservation</b>
MODERATOR		<b>Amy McCune</b>		<b>Brian Sidlauskas</b>		<b>Kerry Giffis-Kyle</b>
10:00 AM	402	P Konstantinidis	571	M Davis	758	S Fox
		The Early Development of the Cranial Musculature of the Longnose Gar		The Evolution and Invasion of Marine Fishes into Deep-Sea Environments		Using Remote Query of PIT-tagged <i>Trachemys scripta</i> to Determine Trapping Dynamics via Conventional Hoop Traps
10:15 AM	122	J Webb	427	T Near	156	R Lehtinen
		The Mechanosensory Lateral Line System of Fishes: What We Still Don't Know After 150+ Years		Phylogeny and tempo of diversification in the superradiation of acanthomorph fishes		Impacts of Paternal Care on Offspring Survival: An Experimental Study on a Glass Frog from Tobago, West Indies
10:30 AM			515	R Eytan	783	D Reavill
				A Phylogenomic Approach to Inferring Acanthomorph Interrelationships		Odor Discrimination in the Coastal Giant Salamander ( <i>Dicamptodon tenebrosus</i> )
10:45 AM	79	A McCune	7	S Martin	329	K Lovich
		Homology and transformation of lungs and gas bladders: evidence from morphology at multiple levels		New Story from an Old Refugium: Phylogeography of <i>Chrosomus erythrogaster</i>		An Historical Look at Reptile and Amphibian Confiscations at the San Diego Zoo - Collaborative Efforts Between Agencies and Zoos for Species Conservation
11:00 AM			235	D Carnak	322	T Cotten
				Adding fuel to the fire: A phylogeographic assessment of diversity within the firemouth cichlids ( <i>Thorichthys</i> : Cichlidae)		Lowland Leopard Frog Distribution and Habitat Use along the Greater Lower Colorado River Ecosystem
11:15 AM	431	P Witten	337	B Sidlauskas	314	T Jones
		Mechanisms of teleost skeletal plasticity: modulation, adaptation, remodelling and repair		Morphometrics, meristics, microsatellites and molecular phylogenetics clarify divergence and taxonomic status of Speckled Daces ( <i>Rhinichthys osculus</i> ) throughout Oregon's Great Basin		Invasive Bullfrog Removal in the American Southwest: A Case Study from the Pajarito/Atascosa Mountains, Arizona
11:30 AM			141	G Seegert	56	K Giffis-Kyle
				Revisiting the Wabash River Fish Community 20 years after a Power Plant's Retirement		Ecological Traps for Amphibians in Sonoran Desert Constructed Wildlife Waters
11:45 AM					738	C Ofori-Boateng
						Innovative Conservation Awareness Program Increases Stakeholder Participation and Protection for a Critically Endangered Frog In West Africa
12:00 PM		<b>LUNCH</b>			<b>LUNCH</b>	

**2013 Joint Meeting (JMIH), Albuquerque, NM  
BREAK-OUT SESSIONS AT A GLANCE  
SUNDAY, 14 JULY, Morning Sessions**

	<b>Ruidoso/Pecos</b>		<b>San Miguel</b>		<b>Mesilla</b>	<b>ROOM</b>
	<b>Herp Conservation</b>		<b>AES Conservation</b>		<b>AES Reproduction</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Leslie Ruyle</b>		<b>Nick Whitney</b>		<b>Jim Gelseichter</b>	<b>MODERATOR</b>
243	L Ruyle	238	A Nosal	381	J Gelseichter	<b>8:00 AM</b>
	Population Ecology of the Micro-endemic Iguana <i>Ctenosaura melanosterna</i>		Happy and Playful Sharks? The Effect of Background Music in Nature Documentaries on Viewers' Perception of and Willingness to Protect Sharks		Androgen production and function in male elasmobranch reproduction	
641	A Grimsley	335	J Stewart	108	B Anderson	<b>8:15 AM</b>
	Correlation of Habitat Factors on the Presence or Absence of Eastern Collared Lizards ( <i>Crotaphytus collaris collaris</i> ) in Arkansas		Conservation implications of oceanic manta ray spatial ecology based on stable isotope analysis and satellite tagging		Non-lethal Characterization of the Reproductive Cycle of the Blacknose Shark ( <i>Carcharhinus acronotus</i> ) Using Circulating Levels of Gonadal Steroid Hormones	
528	M Parker	432	N Whitney	285	K James	<b>8:30 AM</b>
	Effects of Translocation on Flat-tailed Horned Lizards ( <i>Phrynosoma mcallii</i> ) in Southwestern Arizona		Hook, line, and sinker? Using accelerometers to assess post-release behavior in sharks		Reproductive biology of a central California skate assemblage	
494	K Floyd	524	J Stein	406	C Gburski	<b>8:45 AM</b>
	Comparison of road impacts on the population genetic structure of two syntopic lizards in southern New Mexico		A Fisheries Independent Study Documenting 30-Year Trends in Shark Diversity and Abundance in the Eastern Exuma Sound, The Bahamas		The Spiny Issue of Ageing Spiny Dogfish: Historical Dogma vs. New Methods	
490	C Siler	393	J Spaet	621	J Sulikowski	<b>9:00 AM</b>
	Conservation genetics of Australasian Sailfin Lizards and evaluation of the illegal pet trade in the Philippines		Long-term Market Survey of Saudi Arabian Red Sea Shark Fisheries		Observations of the Reproductive Biology of Spiny Dogfish, <i>Squalus acanthias</i> , along the United States East Coast: is this species more resilient than once thought?	
338	R Lovich	660	C Neff	127	C Chabot	<b>9:15 AM</b>
	The Flat-tailed Horned Lizard ( <i>Phrynosoma mcallii</i> ) Monitoring and Management Strategy		The role of science in improving shark bite terminology		A comparison of the frequency of multiple paternity between two populations of the brown smoothhound shark, <i>Mustelus henlei</i>	
<b>BREAK - NW Exhibit Hall</b>						<b>9:30 AM</b>
	<b>Herp Conservation</b>		<b>AES Behavior</b>		<b>AES Morphology &amp; Physiology</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Jackie Litzgus</b>		<b>Steve Kessel</b>		<b>Carl Luer</b>	<b>MODERATOR</b>
91	T Campbell	542	S Kessel	165	C Luer	<b>10:00 AM</b>
	Synergistic Effects and Management of Two Invasive Carnivorous Lizards in Florida		Shallow water scavenging on marine mammals observed in a deep-water Arctic predator species, the Greenland shark ( <i>Somniosus microcephalus</i> )		Experimental Wounding and Preliminary Characterization of the Healing Response in the Atlantic Stingray, <i>Dasyatis sabina</i>	
47	L Jones	264	A Kroetz	392	K Yopak	<b>10:15 AM</b>
	Inter-year Variation in Lizard Assemblage Dynamics at an Ecotone in Southeastern Arizona		Eating Between the Lines: Bonnetheads ( <i>Sphyrna tiburo</i> ) Show a Non-Traditional Functional Feeding Response		Are Sharks "Smart"? Developing Quantitative Measures of Cognitive Ability in Fishes	
669	J Richmond	545	J Finger	711	S Kajjura	<b>10:30 AM</b>
	When lizards, fracking, and solar panels collide: landscape genetics of the endangered blunt-nosed leopard lizard <i>Gambelia sila</i> in California's San Joaquin Valley		Investigating personality in juvenile lemon sharks ( <i>Negaprion brevirostris</i> )		Novel Olfactory System Neural Organization Revealed by Diffusion Tensor MRM	
135	J Litzgus	373	T Guttridge	757	M Belleggia	<b>10:45 AM</b>
	Long-term Study Reveals Decline in a Spotted Turtle ( <i>Clemmys guttata</i> ) Population in a Relatively Pristine Environment		Novel Acoustic Technology for Studying the Social Behaviour of Free-Ranging Sharks by Recording Individual Interactions		Dentition and Tooth Replacement Rate of the Narrownose Smoothhound Shark <i>Mustelus schmitti</i>	
55	W Anthonsamy	222	R Honebrink	547	J Mandelman	<b>11:00 AM</b>
	Habitat Partitioning in a Midwest Turtle Assemblage		Occurrence of White Sharks ( <i>Carcharodon carcharias</i> ) in Hawaiian Waters		To chill or not to chill: does on-hook behavior modulate the physiological status of longline-caught sharks	
674	B Kingsbury	217	P Klimley	607	K Goldman	<b>11:15 AM</b>
	Advances in Predicting Spring Emergence of the Eastern Box Turtle ( <i>Terrapene carolina</i> )		Movements and residency of sevengill sharks ( <i>Notorynchus cepedianus</i> ) in San Francisco Bay		An update on the thermal physiology and reproductive biology of salmon sharks, <i>Lamna ditropis</i>	
491	S Kimble	359	J Vaudo	398	A Leary	<b>11:30 AM</b>
	Landscape genetics in the forest-dwelling eastern box turtle <i>Terrapene c. carolina</i> across a landscape heavily fragmented by agriculture		Movements of mako sharks ( <i>Isurus oxyrinchus</i> ) tagged in the western North Atlantic Ocean		Polycyclic Aromatic Hydrocarbon Biomarker Exposure in Elasmobranchs after the Deepwater Horizon Oil Spill: Investigations on the Smooth Dogfish, <i>Mustelus canis</i>	
325	H Hoffman	759	R Hueter	466	J Imhoff	<b>11:45 AM</b>
	Sonoran Desert Tortoise ( <i>Gopherus morafkai</i> ) Activity Patterns In and Around Desert Washes and Potential Effects of Off-Road Traffic on Tortoise Movement on the Barry M. Goldwater Range East		Horizontal and Vertical Movements of a Satellite-tagged Longfin Mako ( <i>Isurus paucus</i> Guitart-Manday, 1966) in the Northwestern Atlantic Ocean		Mercury Contamination in Sandbar Shark Muscle: A Thirty Year Comparison	
<b>LUNCH</b>						<b>12:00 PM</b>

2013 Joint Meeting (JMIH), Albuquerque, NM  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SUNDAY, 14 JULY, Afternoon Sessions**

ROOM		<i>Brazos</i>		<i>Doña Ana/Cimarron</i>		<i>Galisteo/Aztec</i>	
<b>SESSION/ SYMPOSIUM</b>		<b>ASIH Fishes &amp; Morphology Symposium I</b>		<b>Fish Ecology</b>		<b>Herp Ecology I</b>	
<b>MODERATOR</b>		<b>Kevin Conway</b>		<b>Hank Bart</b>		<b>James Watling</b>	
<b>1:30 PM</b>	698	G Johnson	472	D Holt			
		Morphology and Evolutionary History of Teleosts: Progress and Prospects		Soundscapes of <i>Cyprinella venusta</i> : Describing the Natural and Unnatural in Small Freshwater Streams			
<b>1:45 PM</b>			396	M Pereira	38	J Deitloff	
					Nutrient recycling and stoichiometry of two grazing fishes: Are native and non-native species ecologically redundant?		Head morphology and food use in two species of cryptic and co-occurring Plethodon salamanders
<b>2:00 PM</b>				424	B Frenette	727	S Mullin
				Effects of Predation Pressure on Survival and Recruitment of Red Shiners		Trophic niche breadth in a widely-foraging snake (Colubridae: Coluber)	
<b>2:15 PM</b>	216	C Baldwin	423	A Best	611	J Rivas	
		The Phylogenetic Significance of Color Patterns in Marine Teleost Larvae		Trends in fish assemblage structure following the invasion of a nonindigenous cyprinid		Bottom-up factors affecting pregnancy rate of green anacondas ( <i>Eunectes murinus</i> ): trophic level interactions in a hyperseasonal tropical system	
<b>2:30 PM</b>	27	N Bertrand	270	J Curtis	293	T Farrell	
		Fish Dentistry: Distribution and Evolution of Heterodonty in Extant Ray-Finned Fishes (Actinopterygii)		Hiding in Plain Sight: Tracking the Red Snapper Spawning Stock in the Western Gulf of Mexico		The Ecology of a Rattlesnake ( <i>Sistrurus miliarius</i> ): Integrating Information from Museum Specimens with a Field Study	
<b>2:45 PM</b>	316	K Bemis	239	F Qiu	760	O Cano	
		Tooth Development, Attachment, and Replacement in Atlantic Wolffish, <i>Anarhichas lupus</i>		Scombroid Fishes Provide Novel Insights into the Trait/Rate Associations of Molecular Evolution		Bullfrog ( <i>Lithobates catesbeiana</i> ) as an exotic predator in State Park Cañón de Fernández Durango, México	
<b>3:00 PM</b>	691	K Conway	420	K Alofs	724	J Hoverman	
		Heterodonty in the New World Clingfishes (Teleostei: Gobiessocidae)		Range shifts and their impacts on Ontario Freshwater Fish Communities		On the making of a superspreader: Experimental assessment of the factors driving parasite aggregation and infection heterogeneity	
<b>3:15 PM</b>	105	J Lundberg	506	W Tonn	224	R Warne	
		A First Phylogenetic Reading of the Skin and Bones of another Enigmatic Catfish: <i>Kryptoglanis shajii</i> Vincent & Thomas, 2011 ( <i>Siluriformes</i> , incertae sedis)		Resource Polymorphism in Lake Trout: the Coexistence of Multiple Shallow-Water Morphotypes in Great Bear Lake, Canada		Stress effects on susceptibility and transmission of <i>Ranaviruses</i> in amphibians	
<b>3:30 PM</b>	21	C DoNascimento	599	C Olaya-Nieto	46	I Murray	
		Systematics and Phylogenetic Relationships of the Subfamily of Parasitic Catfishes <i>Stegophilinae</i> ( <i>Siluriformes</i> , <i>Trichomycteridae</i> )		Trophic ecology of <i>Pacora</i> ( <i>Plagioscion magdalenae</i> ) in the Ciénaga de Ayapel, San Jorge river system		Physiological Ecology of the Husab Sand Lizard, <i>Pedioplanis husabensis</i> , a Namib Desert Endemic	
<b>3:45 PM</b>	51	N Salcedo					
		Plates missing, bones teasing: external morphology, osteology, and the interrelationships of the genus <i>Chaetostoma</i> ( <i>Siluriformes</i> : <i>Loricaridae</i> )					
<b>4:00 PM</b>		<b>POSTER SESSION III</b> <b>NW Exhibit Hall</b>					
<b>4:30 PM</b>							
<b>5:00 PM</b>							
<b>5:30 PM</b>							
<b>6:00 PM</b>							

2013 Joint Meeting (JMIH), Albuquerque, NM  
**BREAK-OUT SESSIONS AT A GLANCE**  
**SUNDAY, 14 JULY, Afternoon Sessions**

	<i>Ruidoso/Pecos</i>		<i>San Miguel</i>		<i>Mesilla</i>	<b>ROOM</b>
	<b>Herp Development &amp; Reproduction</b>		<b>Fish Conservation</b>		<b>AES Systematics &amp; Genetics</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Nicole Valenzuela</b>		<b>Mia Adreani</b>		<b>Demian Chapman</b>	<b>MODERATOR</b>
745	R Diaz	620	D Fernando	444	T Daly-Engel	<b>1:30 PM</b>
	Playing footsies with Evolution: Development of the arboreally specialized Chameleon hands/feet		Mobulid Fisheries of South India as an Example of a Problematic Activity		Aloha Dogfish: Description of a New Shark Species from Hawaii	
272	J Lin	779	M Adreani	377	D Chapman	<b>1:45 PM</b>
	Survival cost of reproduction in the green spotted grass lizard <i>Takydromus viridipunctatus</i> : interplay among testosterone, immunity and parasitism		Estimating fecundity, spawning frequency and growth rates of temperate reef fish; a comparison of natural and artificial rocky reefs		Twenty-year pedigree yields first evidence of geographically precise natal philopatry in sharks	
59	K Kaiser	86	L Williams	529	A Bernard	<b>2:00 PM</b>
	Effects of Anthropogenic Noise on Endocrine, Immune, and Reproductive Measures in White's Treefrog		The Use of Ultrasonic Telemetry to Evaluate Red Snapper, <i>Lutjanus campechanus</i> , Fishing Mortality in the Northern Gulf of Mexico		The evolutionary history of a coastal-pelagic species: the global phylogeography of the tiger shark ( <i>Galeocerdo cuvier</i> )	
648	J Agugliaro	33	T Darden	774	D Kacev	<b>2:15 PM</b>
	Temperature-dependent Metabolic Rate Depression in Timber Rattlesnakes ( <i>Crotalus horridus</i> ) during Artificial Hibernation		Effects of Overexploitation on the Genetic Diversity of Atlantic Red Snapper ( <i>Lutjanus campechanus</i> )		Using genetics to better understand management of a data-poor, highly migratory predator	
64	J Van Dyke	788	M Albins	768	A Barker	<b>2:30 PM</b>
	Conditions Favoring the Evolution of Placental Provisioning in a Viviparous Skink: Hungry Moms and Infanticidal Cannibalism.		Age-1 Red Snapper ( <i>Lutjanus campechanus</i> ) Exclude Age-0 Red Snapper From High-Quality Recruitment Habitat		Genetic Structure of Leopard Shark Populations along the Pacific Coast of North America	
643	W Booth	787	N Mercado-Silva	770	D Portnoy	<b>2:45 PM</b>
	The Emerging Phylogenetic Pattern of Parthenogenesis in Snakes		Comparing Standard North American Freshwater Fish Data Using a Simple Online Tool: <a href="http://fisheriesstandardsampling.org">fisheriesstandardsampling.org</a>		Genetic Population Structure of the Finetooth Shark ( <i>Carcharhinus isodon</i> ) in the U.S. Atlantic	
371	A Cree	718	K Cole	113	J Wyfels	<b>3:00 PM</b>
	Has reproductive frequency increased over the past 20 years in a viviparous, cool-climate gecko?		The sustainability myth: making management and conservation decisions in a reproductive biology information vacuum		The Skate Genome Project	
252	N Valenzuela	385	M O'Neill			<b>3:15 PM</b>
	How The Turtle Gets Its Sex: Comparative Transcriptomics of TSD and GSD Turtle Embryos During Sexual Development		Training Hatchery-raised Bonetail to Recognize Predators			
		418	H Brandenburg			<b>3:30 PM</b>
			Early life history of native catostomids, and inference of their spawning periodicity, in the San Juan River (2003-2011)			
		518	S Sánchez-Banda			<b>3:45 PM</b>
			Evaluation of the Growth Basic Parameters of Blanquillo ( <i>Sorubim cuspicaudus</i> ) for Several Annual Cycles in the Sinu River, Colombia			
	<b>POSTER SESSION III</b>					<b>4:00 PM</b>
	<b>NW Exhibit Hall</b>					<b>4:30 PM</b>
						<b>5:00 PM</b>
						<b>5:30 PM</b>
	<b>ASIH Business Meeting</b>					
	<b>6 - 8 p.m.</b>					<b>6:00 PM</b>

**2013 Joint Meeting (JMIH), Albuquerque, NM  
BREAK-OUT SESSIONS AT A GLANCE  
Monday, 15 JULY, Morning Sessions**

ROOM		<i>Brazos</i>		<i>Doña Ana/Cimarron</i>		<i>Galisteo/Aztec</i>
<b>SESSION/ SYMPOSIUM</b>		<b>ASIH Fishes &amp; Morphology Symposium II</b>		<b>NIA Oral Papers</b>		<b>Herp Ecology II</b>
<b>MODERATOR</b>		<b>John Lundberg</b>		<b>Jonathan Baskin</b>		<b>David Green</b>
<b>8:00 AM</b>	456	E Hilton				
<b>8:15 AM</b>		Morphology of Fishes: Life at the Intersection of Staunch Tradition and Cutting-Edge Approaches				
<b>8:30 AM</b>	210	R Reis	266	<b>S Steele - N</b>	93	C Beachy
				Exploring Body Size Frequency Distributions in Neotropical Fishes and Model Systems		The Influences of Growth and Temperature on Metamorphosis in the Plethodontid Salamander, <i>Eurycea wilderae</i>
<b>8:45 AM</b>		The Impact of Morphology in Total Evidence Phylogenies of Fishes	174	H Lopez-Fernandez	765	K Tewell
				Endemic fishes of the upper Mazaruni river basin, Guyana: the importance of exploration and discovery in assessing conservation priorities for freshwater fish		Subpopulation clustering and landscape genetics of pond-breeding salamanders ( <i>Ambystoma opacum</i> ) in continuously forested habitat
<b>9:00 AM</b>	209	V Sant'Anna	204	R Moncayo-Estrada	17	S Trauth
		A new classification of Beloniformes based on a total evidence analyses		Analysis of Food Webs in Mexican Aquatic Ecosystems		Morphology of the Urogenital Papilla in Lizards with Comments on Its Structure in Hybrid Gynandromorphs of the Genus <i>Aspidoscelis</i>
<b>9:15 AM</b>	76	T Carvalho	551	<b>S Ingleby - N</b>	789	M Daboub
		Morphological Data Structure Current Understanding of Neotropical Fish Diversity		Predator Driven Divergence Along the Speciation Continuum in Brachyraphis Fishes: Insights from Behavior, Genes, and Morphology		The American Bullfrog ( <i>Lithobates catesbeianus</i> ): an amphibious assault on the Southwest
<b>9:30 AM</b>	<b>BREAK - Ground Level West Atrium</b>					
<b>SESSION/ SYMPOSIUM</b>		<b>ASIH Fishes &amp; Morphology Symposium II</b>		<b>NIA Oral Papers</b>		<b>Herp Ecology II</b>
<b>MODERATOR</b>		<b>Lynne Parenti</b>		<b>Hernan Lopez</b>		<b>David Green</b>
<b>10:00 AM</b>	13	L Parenti	379	<b>J Arbour - N</b>	750	M Cueto-Mares
				Patterns of Morphological Evolution Support an Ancient Adaptive Radiation in Geophagine Cichlids		Terrapene coahuila: population aspects within the valley of Cuatro Ciénegas Coahuila
<b>10:15 AM</b>		Phylogenetic patterns of reproductive morphology in teleosts: the egg	253	<b>S Lefebvre - N</b>	536	S Charles
				Morphology And Diet Correlations In Neotropical Suckermouth Armoured Catfishes Of The Tribe Ancistrini (Siluriformes: Loricariidae)		Habitat and Microhabitat Use, Daily Activity Patterns and Relative Abundance of Gonatodes (Squamata: Sphaerodactylidae) in Trinidad and Tobago
<b>10:30 AM</b>	351	I Quagio-Grassiotto	162	<b>M Arce H. - N</b>	487	A Diaz de la Vega
				Anatomical Variation of Cranial and Pectoral Muscles of the Thorny Catfishes (Doradidae, Siluriformes)		Ecological Niche of the <i>Aspidoscelis cozumela</i> complex (Parthenogenetic Lizards) in the Yucatan Peninsula, México
<b>10:45 AM</b>		Recognizing Homology in Sperm Data Through the Analysis of the Spermiogenesis: Phylogenetic Implications Using Family Characidae (Teleostei: Characiformes) as a Model	596	<b>V Slobodian - N</b>	117	D Sturla
				Taxonomy, Systematics and Biogeography of <i>Brachyrhamdia</i> Myers, 1927 (Siluriformes: Heptapteridae) and its mimetism with other siluriforms		Habitat Partitioning between the Flat-tailed Horned Lizard ( <i>Phrynosoma mcallii</i> ) and Sonoran Desert Horned Lizard ( <i>P. goodii</i> ) in Southwestern Arizona
<b>11:00 AM</b>	77	M Altner	771	<b>F Bockmann</b>	504	B Greene
		An enigmatic aplocheiloid killifish from the Upper Miocene		Reassessment of Morphological Characters Bearing on the Phylogenetic Relationships of Pimelodidae (Ostariophysi, Siluriformes)		Spatial ecology and habitat selection of Mudsnares ( <i>Farancia abacura</i> ) in southeast Missouri
<b>11:15 AM</b>	415	M Ghedotti	143	T Carvalho	119	S Wylie
		Evolutionary History of the North American Topminnows and Killifishes (Family Fundulidae, Cyprinodontiformes): The Importance of Morphological, DNA, and Fossil Evidence		Systematics and Evolution of the Toothless Knifefishes Rhampichthyoidea (Ostariophysi: Gymnotiformes): Phenotypic Adaptation and Habitat Specialization Trade-offs		Spatial Ecology and Mortality in Neonate Eastern Massasaugas
<b>11:30 AM</b>	70	B Reichenbacher	328	T Sosa	139	P Gregory
		The Oldest Record of a Butid Gobioid and the Complexities of Morphological Characters in Extinct Forms		Molecular systematics of Mesoamerican Characidae, with implications for historical biogeography		The Relationship Between Body Size and Cover Use in Five Species of Naticine Snakes
<b>11:45 AM</b>					144	D Dittmer
						Influences of microclimate and other landscape factors on herpetofauna assemblages adjacent to an iconic Australian Inselberg
<b>12:00 PM</b>	<b>LUNCH</b>			<b>LUNCH</b>		<b>LUNCH</b>
				N = NIA Best Student Paper		

2013 Joint Meeting (JMIH), Albuquerque, NM  
**BREAK-OUT SESSIONS AT A GLANCE**  
**Monday, 15 JULY, Morning Sessions**

	<i>Ruidoso/Pecos</i>		<i>San Miguel</i>		<i>Mesilla</i>	<i>ROOM</i>
	<b>Herp Biogeography</b>		<b>No Session Scheduled</b>		<b>No Session Scheduled</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Rafe Brown</b>					<b>MODERATOR</b>
						<b>8:00 AM</b>
						<b>8:15 AM</b>
						<b>8:30 AM</b>
780	D Leavitt					<b>8:45 AM</b>
	Species boundaries and phylogenetic relationships of the <i>Xantusia vigilis</i> species group					
310	W Ryberg					<b>9:00 AM</b>
	Using landscape ecotones to identify biogeographic sets of lizards in the Mescalero Sands					
523	S Kuchta					<b>9:15 AM</b>
	Systematics and Biogeography of the Cumberland Plateau Salamander, <i>Plethodon kentucki</i>					
<b>BREAK - Ground Level West Atrium</b>						
	<b>Herp Biogeography</b>		<b>General Herpetology</b>		<b>Reptile Ecology</b>	<b>SESSION/ SYMPOSIUM</b>
	<b>Shawn Kuchta</b>		<b>Brian Crother</b>		<b>David Germano</b>	<b>MODERATOR</b>
530	S Rovito	345	A Bauer	175	D Germano	<b>10:00 AM</b>
	Patterns of climatic niche divergence across a latitudinal gradient in Neotropical salamanders		The Oldest Herpetological Collection in the World: The Surviving Amphibian and Reptile Specimens of the Museum of Ulisse Aldrovandi		Growth, Population Structure, Reproduction, and Survivorship of the Western Pond Turtle at a High Elevation Pond in Southern California	
346	J Phillips	207	N Scott	407	M Keevil	<b>10:15 AM</b>
	Phylogeography and conservation genetics of the Grotto Salamander, <i>Eurycea spelaea</i>		Annotated Taxonomic and Distributional Checklist of the Reptiles of Paraguay		The Effects of Habitat Productivity and Population Density on Juvenile Growth Rates of Painted Turtles, <i>Chrysemys picta</i>	
572	R Bonett	474	J Watling	549	J Bardwell	<b>10:30 AM</b>
	Biogeography and body size shuffling of aquatic salamander communities on a shifting refuge		Interspecific Variation in Desiccation Resistance Explains Amphibian Distributions on Forest Islands in Bolivia		Basking turtle assemblage demographics within a central Texas creek community	
203	C Guarnizo	185	B Crother	516	P Andreadis	<b>10:45 AM</b>
	The role of orogeny and paleoclimate change in driving allopatry in the Colombian Andes frog <i>Rheobates palmatus</i>		Revisiting Incongruences in Squamate Phylogenetics		Neonate demography of Burmese Pythons in southern Florida, USA	
682	R Brown	349	M White	658	C Montgomery	<b>11:00 AM</b>
	Spotted stream frog diversification at the Australasian faunal zone interface, mainland versus island comparisons, and a test of the Philippine dual umbilicus hypothesis		Oct-4 and the Induced Mechanism of Germ Cell Determination in Reptiles		Body Size, Growth, and Sexual Size Dimorphism in <i>Boa constrictor imperator</i> from Cayos Cochinos, Honduras	
541	M Davis	624	M Donnelly	227	R Warne	<b>11:15 AM</b>
	A Rattlesnake on the Brink: Global Change and its Impacts on Short-Range Biodiversity Endemics		Jay M. Savage: His Contributions to Herpetology and the ASIH		Ecological variation and resource allocation to life history processes in lizards	
773	G Wogan			640	C Agard	<b>11:30 AM</b>
	Disassembly and Nestedness of Sundaland Amphibian and Reptile Communities				The Impact of Caudal of Autotomy on Growth in <i>Sceloporus jarrovii</i> (Phrynosomatidae)	
				785	L Welton	<b>11:45 AM</b>
					Phylo-forensics of Philippine monitor lizards: an analysis of trade in the genus <i>Varanus</i>	
	<b>LUNCH</b>		<b>LUNCH</b>		<b>LUNCH</b>	<b>12:00 PM</b>



2013 Joint Meeting (JMIH), Albuquerque, NM  
**BREAK-OUT SESSIONS AT A GLANCE**  
**Monday, 15 JULY, Afternoon Sessions**

ROOM		<i>Brazos</i>		<i>Doña Ana/Cimarron</i>		<i>Galisteo/Aztec</i>
SESSION/ SYMPOSIUM		ASIH Fishes & Morphology Symposium II		No Session Scheduled		Fish Behavior
MODERATOR		Gloria Arratia				Karen Martin
1:30 PM	697	C Kenaley			255	B Erisman
		Morphology as an integrative discipline: a functional focus on endless forms so beautiful				Phylogenetic Perspectives on the Evolution of Hermaphroditism in Teleost Fishes
1:45 PM					182	T Donaldson
		The Posttemporal-supracleithrum Articulation: An Untapped Resource for Morphology-based Phylogenetic Investigations of Euteleosts				The Diversity and Mating of Wrasses in a Spawning Aggregation Site Influenced by Fish Feeding
2:00 PM	43		N Holcroft			169
		A Polyural Interpretation of the Caudal fins of Danio rerio and Gasterosteus aculeatus: Homology and Discovery of Synapomorphies				Behavior and long-term movement patterns of goliath grouper after catch and release
2:15 PM	137		E Wiley			211
		The untold story of the caudal skeleton in the electric eel: taxonomic, phylogenetic and functional implications (Ostariophys: Gymnotiformes: Electrophorus)				Behavioral Response of Select Reef Fishes to Pile Driving
2:30 PM						323
		The untold story of the caudal skeleton in the electric eel: taxonomic, phylogenetic and functional implications (Ostariophys: Gymnotiformes: Electrophorus)				Movement behavior and habitat selection of white croaker (Genyonemus lineatus) in the Los Angeles and Long Beach Harbors
2:45 PM	132		C de Santana			548
3:00 PM	<b>BREAK- Ground Level West Atrium</b>					
SESSION/ SYMPOSIUM		ASIH Fishes & Morphology Symposium II		No Session Scheduled		Fish Behavior
MODERATOR		G. David Johnson				Karen Martin
3:30 PM	90	G Arratia			340	K Martin
		Teleostean Morphology in a Temporal Dimension: Reflections on the Evolution of Selected Characters				Educational documentary, "Surf, Sand, and Silversides: The California Grunion"
3:45 PM						
		Discussion				
4:00 PM						
4:15 PM						
4:30 PM						
4:45 PM						
5:00 PM						

2013 Joint Meeting (JMIH), Albuquerque, NM  
**BREAK-OUT SESSIONS AT A GLANCE**  
Monday, 15 JULY, Afternoon Sessions

	<i>Ruidoso/Pecos</i>		<i>San Miguel</i>		<i>Mesilla</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
						3:00 PM
						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