

Joint Meeting of Ichthyologists and Herpetologists

Program Book

This program is current as of 12 June 2008.

Any cancellations or changes received after this date will be posted outside the session rooms and on the Conference Information Board located near the Registration Booth in the Level 4 Foyer.



Montreal, Quebec

23-28 July 2008

Hosted by

**McGill University, Concordia University, Environment Canada, and
Ministère des ressources naturelles et de la faune**

2008 Joint Meeting of Ichthyologists and Herpetologists 23-28 July 2008

Organizing Societies

American Elasmobranch Society
24th annual meeting



American Society of Ichthyologists and Herpetologists
88th annual meeting



Herpetologists' League
66th annual meeting



Society for the Study of Amphibians and Reptiles
51st annual meeting



Additional Participating Societies

Canadian Amphibian and Reptile Conservation Network



Canadian Association of Herpetologists



**Hosted by McGill University, Concordia University, Environment Canada, and
Ministère des ressources naturelles et de la faune**

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A list of 2008 Joint Meeting participants will be available on the web site
beginning 1 August 2008

www.dce.ksu.edu/conf/jointmeeting

Local Hosts

David M. Green, McGill University, Chair

Andrew Hendry, McGill University

Lauren Chapman, McGill University

Grant Brown, Concordia University

David Marcogliese, Environment Canada

Andrée Gendron, Environment Canada

Alain Branchaud, Environment Canada

Jacques Jutras, Ministère des ressources naturelles et de la faune

Heather Gray

Ronald Javitch

Ray Saumure

GENERAL MEETING INFORMATION

Meeting Room Information

During presentations, please turn off all beepers and cell phones or set them to vibrate.

President's Travelogue - Salon Drummond West & Center

Plenary Session - Salle de Bal/Ballroom (Level 4)

Continental Breakfast - Salle de Bal/Ballroom (Level 4)

Exhibit Area - Salle de Bal/Ballroom (Level 4)

Poster Presentations - Salle de Bal/Ballroom (Level 4)

Oral Presentations Salons B&C (Level B)

Kafka/Lamartine, Jarry/Joyce (Level A)

Salons 4&5 (Level 2)

Salon Drummond West & Center, Salons 6&7 (Level 3)

Speaker Prep Rooms - Garcia Lorca, Dickens (Level A), Suite 705

AES Office - Salon Hémon (Level A)

SSAR Frameable Art Silent Auction - Salon C (Level B)

SSAR Live Auction Viewing Room - Salon Drummond East (Level 4)

SSAR Live Auction - Salon Drummond

Joint Meeting Banquet - Salle de Bal/Ballroom (Level 4)

ASIH Graduate Student Book Raffle - Salle de Bal/Ballroom Foyer

Internet Access

A small Internet café is available in Fréchette on Level A for JMIH participants. The café will be available from 7 a.m. - 6 p.m., Wednesday, 23 July - Monday, 28 July. Two printers are available in the Internet café to print boarding passes.

The Sheraton has wired High-Speed Internet access available in each guest room. There is a daily fee of \$14.75 for these services.

Registration Desk

The JMIH Registration Desk, located on Level 4, is open from 7 a.m. - 5 p.m. Wednesday 23 July - Monday 28 July. The Registration Desk is staffed to answer any questions you might have regarding the meeting. There also are supplies at the Registration Desk for those needing to hang posters in the poster area, located in the Salle de Bal/Ballroom,

Messages and Job Announcements

Message boards are located on Level 4. Participants may post messages for friends and colleagues. The registration staff will also post telephone and other messages on these boards. Urgent messages should be directed to the hotel at (514) 878-2000 during meeting hours. These will be relayed to meeting coordinators and posted for participants as soon as possible.

Job announcements or information about employment opportunities may be posted on the message boards as well.

Business Center

A fully automated, self-service Business Center is located on Level A. It is open 24 hours. Facilities include:

- Facsimile transmission
- Personal computer (PC) with MS Office software
- Laser printer
- Photocopying
- High-speed Internet access

Food and Beverage

A continental breakfast will be served in the Salle de Bal/Ballroom from 7 - 8 a.m. each morning. Morning and afternoon beverage breaks will be served with the exhibitors in the Salle de Bal/Ballroom. A cash bar will be available during poster sessions, 4 - 6 p.m., Friday - Sunday, 25-27 July.

Lunch is on your own each day. A variety of restaurants are available on within walking distance of the hotel. See your Montreal Visitor's Guide for a listing of restaurants.

Event Tickets

A variety of tickets may be included in your namebadge. The number of tickets you have is determined by your personal registration choices.

Reception tickets

All registered participants will receive two (2) reception drink tickets good for beer, wine, or soda.

Additional food and beverage tickets (by registration only) may include:

Joint Meeting Picnic for Saturday, 26 July (includes 2 drink tickets good for beer, wine, and soda)

Joint Meeting Banquet for Monday, 28 July

Presenter Information

Oral Presenters

Oral Presenters should submit their presentations to a PSAV representative by 3 p.m. the day preceding their presentation. PSAV will be set up in Frechette on Level A to receive presentations at the following times:

Wednesday, 23 July - 12 p.m. - 3 p.m.

Thursday, 24 July - Sunday, 27 July - 7:00 a.m. - 3 p.m.

The technical coordinators available will immediately load and review presentations as they are submitted. A presenter's memory stick or CD will be returned when the presentation has been successfully loaded.

A PSAV representative will be present in each meeting room to monitor equipment and presentations.

Three *Speaker Prep Rooms* are available throughout the hotel.

Garcia Lorca, Dickens, and Suite 705 have computers and projectors available for speakers to practice their presentations. A sign-up sheet is posted outside each room.

Speaker prep rooms are available from 7 a.m. - 7 p.m. beginning Wednesday, 23 July.

Session moderators have been designated to facilitate each session. The names of moderators are noted in the session schedule. Moderators should have received their packet of instructions when checking in at the Registration Desk.

Poster Presenters

Poster session dates and times are as follows:

Friday, 25 July 4 - 6 p.m.

Saturday, 26 July 4 - 6 p.m.

Sunday, 27 July 4 - 6 p.m.

At least one author must be present during the entire poster session time period. Please remove your poster immediately following the poster session. Posters not claimed by 5 p.m. on Monday, 28 July will be discarded.

Poster Board Assignments

A listing of poster sessions is current as of the printing of this program book. All poster boards are numbered. The title and author will be posted on each board as well. Because some posters are part of competitions, it is important that each presenter place their poster in the correct location.

Presenters can place their poster on their assigned board anytime between 7:30 a.m. and 4 p.m. on the day they are presenting.

Special Announcements from the Societies

ASIH General Endowment Fund Information

ASIH thanks all the members who have made contributions to the General Endowment Fund. Currently your gifts are used to support ASIH symposia each year at the Joint Meeting of Ichthyologists and Herpetologists.

ASIH also thanks meeting attendees who participate in the student-run book raffle, which directly supports student travel to the JMIH. In recognition that today's student members are the future of ASIH and that attendance at the JMIH encourages society involvement, ASIH matches dollar for dollar funds raised at the raffle. Please help ASIH promote our students. Be generous and make this year's raffle a great success.

SSAR President's Travelogue

Wednesday, 23 July 2008 - Salon Drummond West and Center

SSAR invites everyone to this year's President's Travelogue. Jimmy A. McGuire from the Museum of Vertebrate Zoology at the University of California, Berkeley, will speak on "Herpetological Diversity and Biogeography of Sulawesi, Indonesia - the World's Coolest K-Shaped Island."

HL/SSAR Live Auction Viewing

Thursday, 24 July - Sunday, 27 July - Salon Drummond East

All items for the HL/SSAR Live Auction will be available for viewing. Items can be viewed on Thursday from 8 a.m. - 5 p.m., and Friday through Sunday, 8 a.m. - 6 p.m.

HL/SSAR Live Auction

Sunday, 27 July - Salon Drummond

All JMIH participants are welcome to attend and bid on donated items. A cash bar will be available.

Exhibitors

Exhibitors are located in the Salle de Bal/Ballroom on Level 4. As of the printing of this program on 12 June, the following exhibitors were confirmed:

<u>Exhibitor</u>	<u>Booth Assignment</u>
Allen Press Publishing Services	23
Association Book Exhibit	19
Biomark, Inc.	4
Campbell Scientific (Canada) Corp	2
Cornell University Press	24
CRC Press - Taylor & Francis Group	1
Harvard University Press	18
Holohil Systems Ltd.	22
Partners in Reptile and Amphibian Conservation	17
SSAR	25
The Johns Hopkins University Press	21
University of California Press	3
Wildlife Acoustics	20

Centre Sheraton Montréal



Exhibit hours:

Friday, 25 July	7:30 a.m. - 6 p.m.
Saturday, 26 July	7:30 a.m. - 6 p.m.
Sunday, 27 July	7:30 a.m. - 6 p.m.

Social Events

No-Host Social - Hotel lobby bar and Salon 1, 2, 3 Foyer

Wednesday, 23 July - 7 p.m.

All meeting participants wearing their name badge will receive 10% off their beer in the hotel through the week, beginning with the Wednesday evening no-host social.

SSAR Student Social - Salon 1

Thursday, 24 July - 5:30 - 7:00 p.m.

SSAR Board members and several invited senior herpetologists will gather at this special reception for students. Finger food and drink tickets will be provided.

Joint Meeting Reception - Montréal Biodome

Thursday, 24 July - 7 - 10 p.m.

This year's Joint Meeting reception will be at the Montréal Biodôme. The Biodôme offers a glimpse into some of the most awe-inspiring ecosystems in the America's, yet it is located in the heart of the city, just minutes from the Olympic Tower. Visitors will have the opportunity to experience environments that recreate Tropical Forest, Laurentian Forest, St. Lawrence Marine, Arctic and Antarctic settings. Finding a variety to see will not be a problem, as the Biodôme houses 275 different animal species.

The five ecosystems are designed for self-guided tours, but nature interpreters will be on hand to answer any questions. Photographs for personal use are permitted, but the use of flash photography, tripods and unipods is barred.

Shuttles will depart from the Drummond Street entrance of the Sheraton starting at 6:30 p.m. and will run continuously until 8 p.m. The shuttle buses will start departing from the Biodome starting at 8:30 p.m. and will run continuously until 10 p.m.

Annual Canadian Herpetologists' Dinner - Irish Embassy Pub and Grill

Friday, 25 July - 6:30 p.m.

The annual Joint Meeting of Ichthyologists and Herpetologists is an opportunity for Canadian herpetologists to meet and swap tall tales of science and life. This year's Canadian Association of Herpetologists dinner and annual business meeting will be held at the Irish Embassy Pub and Grill at 6:30 p.m. Be prepared to be entertained by oral reports on the state of the CAH.

Social Events (continued)

Joint Meeting Picnic - McGill University West Field

Saturday, 26 July - 6:30 - 9 p.m.

Participants registered to attend the picnic will spend the evening on the beautiful McGill University campus. Come hungry, as the picnic will include tenderloin beef, marinated chicken breasts, and marinated tofu brochettes, along with salad, sides and dessert. During the evening, participants will be free to tour the Redpath Museum.

Be sure to bring your tickets for admission. This ticket will include 2 drink tickets good for beer, wine and sodas. Please give your ticket to the volunteer staff upon entrance into the picnic area. Be sure to remove your drink tickets first.

Limited transportation will be available for those unable to walk. The bus will begin loading outside the Drummond Street entrance to the Sheraton at 6:15 p.m., and will depart for the McGill campus as they fill with passengers. The last bus will leave at precisely 7 p.m. Buses will depart from the McGill campus to return to the Sheraton starting at 8:30 p.m. and will depart every half hour. The last bus will depart at 9:30 p.m.

Group Photographs

Saturday, 26 July

6:30 p.m. - Immediately preceding the picnic on the McGill campus

Traditional group photos will be taken on 26 July immediately preceding the picnic. The Joint Meeting group photo will be taken first, followed by the AES group photograph. Pre-ordered photos may be picked up on Sunday, 27 July. If you did not pre-order photos, you may purchase them directly from the photographer.

Joint Meeting Banquet - Salle de Bal/Ballroom

Monday, 28 July - 6 - 10 p.m.

On Monday, 28 July 2008, from 6:00 - 10:00 p.m., the Joint Meeting Awards Banquet will be held in Le Centre Sheraton Ballroom. The social hour will start at 6:00 p.m., with dinner served at 7:00 p.m. The menu will feature basil bruschetta and goat cheese, veal medallion and mushroom sauce, and tiramisu for dessert. Wine will be served with dinner, plus cash bars will be available.

Be sure to bring your ticket for admission and give it to a host volunteer at the doors when you enter the Ballroom for the banquet.

Business and Committee Meetings for Participating Societies

Wednesday, 23 July

8 a.m. - 2 p.m.	SSAR Board of Directors Meeting - Salon 1 (Lunch provided)
8 a.m. - Noon	AES Executive Committee - Salon Musset (Lunch provided)
9 a.m. - 2 p.m.	ASIH Executive Committee - Salon 2 (Lunch provided)
Noon - 5 p.m.	CARCNET Annual General Meeting - Salon Lamartine
2 p.m. - 5 p.m.	ASIH Editorial Policy Committee - Salon 3
2 p.m. - 5 p.m.	AES Board of Directors - Salon Musset
2 p.m. - 6 p.m.	HL Board of Trustees Meeting - Salon 1
5 p.m. - 7 p.m.	ASIH Board of Governors - Salons A&B
7 - 10 p.m.	SSAR President's Travelogue - Salon Drummond West & Center "Herpetological diversity and biogeography of Sulawesi, Indonesia: the world's coolest K-shaped island"
7 p.m. - until close	Informal No-Host Social - Sheraton Lobby Bar and Salon 1, 2, 3 Foyer (Wear your name badge to receive 10% off beer)

Thursday, 24 July

Noon - 2 p.m.	HL Graduate Student Meeting - Salon 1
Noon - 2 p.m.	ASIH Judges Meeting - Salon 3 (Lunch provided)
Noon - 2 p.m.	ASIH Conservation Committee - Salon 2
Noon - 2 p.m.	SSAR Seibert Award Judges Meeting - Suite 720 (Lunch provided)

Friday, 25 July

Noon - 2 p.m.	ASIH Long Range Planning Committee - Salon 2 (Lunch provided)
Noon - 2 p.m.	AES Student Business Meeting - off-property
Noon - 1:30 p.m.	AES Graduate Student Workshop - Kafka/Lamartine
Noon - 1:30 p.m.	SSAR Student Pizza Lunch - Off property
3 - 5 p.m.	ASIH Collections Committee - Salon 1
4 - 6 p.m.	HL Business Meeting - Salons 6&7

Saturday, 26 July

Noon - 2 p.m.	ASIH Meeting Management and Planning Committee - Salon 2 (Lunch provided)
Noon - 1:30 p.m.	ASIH Student Business Meeting - Salon 3 (lunch provided)
Noon - 3 p.m.	ASIH Names of Fishes - Suite 720 (Lunch provided)
3:30 p.m. - 5:30 p.m.	AES Business Meeting - Jarry/Joyce
4 p.m. - 6 p.m.	SSAR Business Meeting - Salon Drummond West & Centre

Symposia

Thursday, 24 July

1:30 - 4:30 p.m.

Friday, 25 July

8 a.m. - Noon

AES

The Biology of the Devil Rays: Mantas and Mobulids

Room: Jarry/Joyce

This symposium will focus on the biology, management and conservation of the devil rays, mantas and mobulids. The main goal of this symposium is to bring together scientists, aquarists, divers and others to share their expertise in diverse areas. Specific topics to be covered include movement, behaviors, natural history, fisheries interactions and conservation and management. This will help to determine the current state of knowledge of manta and mobulid biology, will provide insight on what questions remain unanswered and what is needed for conservation and management, and help bring to light some of the vast stores of unpublished data that has been collected by divers around the globe.

Organizers: John B. O'Sullivan and Heidi Dewar

Friday, 25 July

8:30 a.m. - Noon

Saturday, 26 July

8:30 a.m. - Noon

ASIH

Biodiversity and Agricultural Sustainability in North America

Room: Salon Drummond West & Center

Aquatic and riparian ecosystems are fragile environments rich in biodiversity. They are threatened by impacts related to a variety of land-water interactions. Degradation of terrestrial environments adjacent to freshwater ecosystems can adversely impact aquatic habitats and associated biological communities through many mechanisms. Understanding the mechanisms driving losses in aquatic and riparian biodiversity is important to the conservation and restoration of these environments worldwide. This symposium will address the effects of agricultural production on aquatic and terrestrial ecosystems and their resident biodiversity, and management practices and alternatives that preserve it.

Organizer: Frank H. McCormick, Ph.D.

Friday, 25 July

8 a.m. - Noon

ASIH

Herps in the Great White North: Survival Strategies for Short Summers and Long Winters

Room: Salons 6&7

This symposium will examine multiple aspects of reptile and amphibian function in northern environments. Presentations will address multiple levels of biological organization - ranging from natural history through molecular biology - to examine the constraining forces and adaptive mechanisms that impinge on life in northern regions. We will consider reproductive and growth strategies of species at their northern range limits, winter survival mechanisms both underwater and on land, and adaptations of physiology and biochemistry that provide hypoxia/anoxia tolerance and freezing survival.

Organizer: Kenneth B. Storey

Symposia (continued)

Sunday, 27 July

1:30 - 4:00 p.m.

ASIH

Roles of Amphibians in ecosystem processes

Room: Salons 6&7

While various roles of amphibians in communities are widely appreciated, their significance at the ecosystem level is just beginning to be appreciated. There is mounting evidence that both aquatic and terrestrial amphibians influence primary productivity, leaf litter decomposition rates, and rates of nutrient cycling. The results of these studies especially in the context of declining and introduced species will be discussed.

Organizer: Karen Beard

Monday, 28 July

8 a.m. - 3 p.m.

HL

*Cottonmouths, *Agkistrodon piscivorus*: the good, the bad, and the ugly*

Room: Salons 4&5

The cottonmouth is a semi-aquatic viperid snake native to the southeastern United States. The high relative abundance, broad geographic distribution, and interesting array of behaviors exhibited by this species have recently made it a popular target for many research questions over a broad range of topics. This developing interest in the species has resulted in a proliferation of new studies over the last ten years. This symposium broadly summarizes existing information and current studies on key aspects of cottonmouth biology and provides direction for future research.

Organizers: Brian Greene

Monday, 28 July

8 a.m. - 3 p.m.

SSAR

Is Management of Sustainable Commercial Harvest of Long-Lived Organisms Possible?

Room: Salon Drummond West & Center

Many species of fishes, elasmobranchs, and reptiles share the life history traits of delayed maturity, low reproductive rates, and longevity. Many of these species also are commercially exploited for their flesh, skin, and the pet trade. We will consider harvest impact and how to manage populations effectively for recovery and sustainability. The symposium also will address bridging the gap between scientifically based sound management and politically driven management.

Organizers: Willem M. Roosenburg

Co-organizers: Justin D. Congdon, Henry R. Mushinsky, and Rich Seigel

Graduate Student Workshops

Friday, 25 July

Noon - 1:30 p.m.

AES Student Workshop

Title: *Is Graduate School Enough?*

Room: Kafka/Lamartine

We all enter graduate school hoping that a master's or doctoral degree will guarantee more quality employment opportunities once we graduate. While obtaining that degree is not minor task, is it enough to ensure a future in scientific research? With the scarcity of higher academic and research positions, junior scientists are faced with a daunting situation upon graduating. It is increasingly important that graduate students prepare themselves to enter the job market not only with their degree, but also with additional skills and experiences that will help them stand out. For instance, how important is getting a PhD or doing postdoctoral research? What are some particularly important supplementary skills that employers look for in a job candidate? This workshop will help inform students of what they need to do to obtain a research position in today's job market. Recently hired professors/researchers will provide advice on staying competitive in the current job market, while more experienced professors will provide insight on what they look for when serving on job search committees. Scientists from outside academia will offer a different perspective based on their experiences.

Organizer: Tricia Meredith

Sunday, 22 July

Noon - 1:30 p.m.

ASIH Graduate Student Workshop

Title: *How to be a Successful Researcher*

Room: Kafka/Lamartine

This workshop, created by members of the ASIH graduate student committee, will consist of a panel of professors spanning the many levels of research and teaching institutions. The goal of the workshop is to give graduate students tips and suggestions for conducting a successful research project from start to finish. This workshop will provide tools to facilitate the graduate student experience and aid in professional development. The format will be a short introduction by a panel member followed by discussion and an informal Q & A session with the panel.

Organizer: Tiffany Schriever

Co-organizers: April Bagwill, Alison Hamilton, and Rocky Parker

SESSION AND SYMPOSIA MASTER

		THURSDAY	FRIDAY	SATURDAY	SUNDAY	MONDAY
		24-Jul	25-Jul	26-Jul	27-Jul	28-Jul
ROOM						
AM	Drummond West & Center	Salle de Bal/ Ballroom PLENARY	Biodiversity & Agriculture I	Biodiversity & Agriculture II	Fish Conservation	Sustainable Harvest Symposium I
	Salons A&B	↓	Fish Systematics I	General Ichthyology I	HL Grad Research Award	Fish Ecology II
	Salons 6&7		Northern Herps	Fish Morphology & Histology II	Fish Physiology/ Development/ Reproduction	Herp Stressors/ Snake Conservation
	Salons 4&5		SSAR - Seibert	Herp Biogeography/ Conservation in Canada	Herp Reproduction/ General Herpetology I	HL Cottonmouth Symposium
	Jarry/Joyce		AES Devil Ray Symposium II	AES Movements & Habitat I	AES Systematics & Biogeography II/ Management	Amphibian Ecology/ General Herpetology II
	Kafka/ Lamartine		AES Student Papers II	AES Age & Growth/ Reproduction	AES Physiology/ Conservation	Fish Phylogeography
LUNCH			LUNCH	LUNCH	LUNCH	LUNCH
PM	Drummond West & Center	Fish Ecology I	Herp Systematics	Fish Systematics III	General Ichthyology III	Sustainable Harvest Symposium II
	Salons A&B	Herp Behavior	Fish Systematics II	Herp Genetics, Development & Morphology	Herp Genetics	Fish Systematics IV
	Salons 6&7	Fish Morphology & Histology I	Reptile Ecology	General Ichthyology II	Amphibians in Ecosystems Symposium	
	Salons 4&5	Herp Physiology/ Bar Codes	SSAR - Seibert	Amphibian Conservation	Herp Conservation	HL Cottonmouth Symposium
	Jarry/Joyce	AES Devil Ray Symposium I	AES Functional Morphology	AES Systematics & Biogeography I	AES Open Mic	
	Kafka/ Lamartine	AES Student Papers I	AES Student Papers III	AES Food & Feeding		
	POSTER SESSIONS		POSTER I (+AES)	POSTER II	POSTER III	
	BUSINESS MEETINGS (Rooms vary)		HL (4 - 6 p.m.)	AES (3:30 - 5:30 p.m.) SSAR (4 - 6 p.m.)	ASIH (6 - 8 p.m.)	
EVE	SOCIAL EVENTS	JMIH GENERAL RECEPTION (7 - 10 p.m.) Biodome		JMIH PICNIC (6:30- 9:30 p.m.) McGill University Campus	AES BANQUET (7 -11 p.m.) Le Saint Gabriel SSAR-HL Live Auction (9PM) Salon Drummond	JMIH BANQUET (6 -11 p.m.) Salle de Bal/Ballroom

Thursday, 24 July
Morning Plenary Session

Salle de Bal/Ballroom

- 8:30 AM Call to Order**
David M Green, McGill University
Welcome to Montreal
Rachel Leger, Directrice, Biodome de Montreal
- 8:50 AM "Research, Conservation, and the 2008 Year of the Frog Campaign"**
Joseph R. Mendelson III, Zoo Atlanta
- 9:20 AM CAH Distinguished Herpetologist Award**
Patrick T. Gregory, University of Victoria
- 9:25 AM ASIH Gibbs, Johnson and Fitch Awards**
Henry R. Mushinsky, University of South Florida
- 9:40 AM ASIH Past-President Address:**
Introduction - Henry R. Mushinsky
"A New Paradigm on Biological Species: the Nexus of Theory and Operationalism Essential to Biodiversity Studies"
Richard Mayden, St. Louis University
- 10:20 AM HL Distinguished Herpetologist:**
Introduction - David Cundall, Lehigh University
"Northern Lights and Seasonal Sex: Reproductive Ecology of Cool-Climate Viviparous Snakes"
Patrick T. Gregory
- 11:10 AM AES Plenary Speaker:**
Introduction - George Burgess, University of Florida
"The past, present and future of AES: a look at the Society through a new president's eyes"
Kenneth J. Goldman, Alaska Department of Fish and Game
- 11:45 AM Closing**
David M. Green

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

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

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

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

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

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

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

Salons 4&5	Jarry/Joyce	Kafka/Lamartine	ROOM
SSAR - Seibert	AES Devil Ray Symposium II	AES Student Papers II	SESSION/ SYMPOSIUM
Seigel	J O'Sullivan	L Ferry-Graham	MODERATOR
M Setiadi - S/E		M Blanco - Parra - G	8:00 AM
Areas of Amphibian and Reptile Genetic Endemism on the island of Sulawesi & Halmahera, Indonesia		Reproductive biology of the banded guitarfish, <i>Zapteryx exasperata</i> , from the Gulf of California México	
E Timpe - S/E	R Graham	J DiBattista - G	8:15 AM
Exploring the Faunal Connection between the Ozark Plateau and the Appalachian Mountains: A Phylogeographic Study of the Long-tailed Salamanders (Plethodontidae: Spelerpinae: Eurycea)	Site Fidelity and Movements of Juvenile Manta Rays in the Gulf of Mexico	Estimating Heritability of Life-history Traits in a Natural Population of Lemon Sharks (<i>Negaprion brevirostris</i>) Using Long-term Pedigree Data	
J Ng - S/E	H Dewar	S Plank - G	8:30 AM
Dewlap color and reproductive isolation in <i>Anolis distichus</i>	Movements and Site Fidelity of Manta birostris in the Komodo Marine Park, Indonesia	The Population Genetic Structure of the Round Stingray in Southern California	
E Asare - S/E	F Mcgregor	W Buble - G	8:45 AM
Phylogenetic relationships among Australian agamid lizards using nuclear and mitochondrial DNA data	Foraging Ecology and Population Dynamics of the Manta ray, <i>Manta birostris</i> in Lagoonal Waters of Ningaloo Reef, Western Australia.	Utilizing DNA Microsatellites to Study Population Structure of Spiny Dogfish, <i>Squalus acanthias</i> , in the Western North Atlantic	
S Graham - S/E	A Kitchen-Wheeler	N Willett	9:00 AM
A Test of the Ecomorph Hypothesis: the Phylogenetics and Biogeography of <i>Eurycea aquatica</i>	Migration Behaviour of the Giant Manta (<i>Manta birostris</i>) in the Central Maldives Atolls	Not All Nursery Areas Are Created Equal; The Importance Of Small Scale Nursery Habitat For Delaware Bay Sandbar Sharks	
D Chambers - P/M	R Anderson	M McDonough	9:15 AM
Water Quality Parameters Can Influence Baseline Corticosterone Levels in Larval Amphibians	Manta Rays, <i>Manta birostris</i> , in the Maldives: Seasonal Distribution and Economic Value	Comparison of the Elasmobranch Fauna in Two South Carolina Estuaries, Differing in the Degree of Human Impact	
BREAK - Salle de Bal/Ballroom			9:30 AM
SSAR - Seibert	AES Devil Ray Symposium II	AES Student Papers II	SESSION / SYMPOSIUM
Seigel	J O'Sullivan	L Ferry-Graham	MODERATOR
F Brem - E	M Deakos	K Maxwell	10:00 AM
Environmental transmission: a mechanism of disease-induced amphibian extinctions	Demographics of an Island-Associated Manta Ray (<i>Manta birostris</i>) Population in Maui, Hawaii, and Implications for Management	Distribution and movements of neonate Atlantic sharpnose sharks, <i>Rhizoprionodon terraenovae</i> , in a South Carolina estuary and nearby coastal ocean waters	
J Cohen - E	L Compagno	S Kessel - G	10:15 AM
The Impact of Plant Traits on Larval Amphibian Development	Manta systematics and nomenclature	Seasonal residency and migration of mature lemon sharks (<i>Megaprion brevirostris</i>) off the southeast Florida coast	
A Barreca - E	T Kashiwagi	T Guttridge - G	10:30 AM
Seasonal Habitat Use And Movement Of Cascades Frogs (<i>Rana cascadae</i>) In Washington	DNA evidence for cryptic species boundaries within <i>Manta birostris</i> ?	Social, size and species group living preferences in juvenile lemon sharks, <i>Negaprion brevirostris</i>	
K Muldoon - E	A Marshall	J Vaudo - G	10:45 AM
Post-Emerging Behavior of Hatchling Diamondback Terrapins (<i>Malaclemys terrapin terrapin</i>) at Jamaica Bay Wildlife Refuge, New York	Redescription of two species of manta rays with resurrection of <i>Manta hamiltoni</i> to species level	Factors Influencing The Abundance Of Sympatric Ray Species Over A Shallow Sandflat In Shark Bay, Western Australia	
S Goodyear - E	R Aston	K Jirik - G	11:00 AM
Spatial-Temporal Habitat Heterogeneity Facilitates Species Coexistence of Two Agamid Lizards in the Great Victoria Desert, Western Australia	Framework for the Establishment of a Global Conservation Program for Manta and Modula Rays	Influence of Temperature on the Habitat Use and Movement Patterns of Round Stingrays in a Southern California Estuary	
A Branske - E	P Charvet-Almeida	Y Papastamatiou - G	11:15 AM
The cost of being sexy: Effect of host lizard sex on ectoparasite feeding success	Diversity and Conservation of Manta and Mobulid Rays from Brazilian Waters, Southwestern Atlantic	Movements and foraging success of blacktip reef sharks, <i>Carcharhinus melanopterus</i> , at Palmyra atoll: a predator dominated ecosystem	
J Willson - E	W White	D Cartamil - G	11:30 AM
Effects of Prey Type on Prey Handling, Digestive Metabolism, and Post-prandial Locomotor Performance in the Banded Watersnake, <i>Nerodia fasciata</i>	The Bycatch Fishery for Mobulid Rays in Eastern Indonesia	Movements and Nursery Habitat of Juvenile Thresher Shark (<i>Alopias vulpinus</i>) in the Southern California Bight	
	Discussion	B Flammang	11:45 AM
		Morphological and functional investigation of the radialis muscle in shark tails	
LUNCH	LUNCH	LUNCH	12:00 PM
S/E = Systemat/Evol P/M = Physiol/Morph	E = Ecology	G = Gruber	

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

ROOM	Salon Drummond West & Center	Salons A&B	Salons 6&7
SESSION/ SYMPOSIUM	Herp Systematics	Fish Systematics II	Reptile Ecology
MODERATOR	B Crother	B Sidlauskas	M Pilgrim
1:30 PM		B Sidlauskas	M Pilgrim
		Tempo and Mode of Morphological Diversification in the Anostomoidea (Characiformes): A Phylomorphospace Approach	Assessing the Effect of Habitat Heterogeneity on Among-Population Variation in the Isotopic Composition of Pigmy Rattlesnake Scale Tissue
1:45 PM	T Doan	K Tang	D Wasko - EE
	Can Reptile Species Be Distinguished with Solely Morphometric Characters?	Phylogenetic Relationships of the Cyprinid Subfamily Rasborinae (Order Cypriniformes) Inferred from Mitochondrial and Nuclear Sequence Data	Ecological Effects of Food Supplementation in Fer-de-Lance (<i>Bothrops asper</i>)
2:00 PM	D Scantlebury - GDM	A Boron	M Walters - EE
	A Time-Calibrated Phylogeny for Anolis	Classical And Molecular Cytogenetics Of The Species From Superfamily Cobitoidea (Teleostei, Cypriniformes) – A Review	Spatial Ecology of Male Northern Water Snakes, <i>Nerodia sipedon sipedon</i> , in the Beaver Archipelago
2:15 PM	J Grismer	M Coburn	G Carfagno
	Preliminary phylogeography of <i>Leiolepis belliana</i> and <i>Leiolepis reevesii</i>	Cypriniformes Tree of Life: Postcranial Characters in Cobitoid Fishes	Latitudinal Variation In Behavioral Thermoregulation By Ratsnakes (<i>Elaphe obsoleta</i>)
2:30 PM	C Ingram	P Harris	T LaDuc
	Molecular systematics of the Chamaeleonidae: a balanced view from Africa and Madagascar	Cypriniformes Tree of Life: Phylogenetic relationships of the Catostomidae, with emphasis on the Catostominae, based on mitochondrial and nuclear gene sequences	Demographics of an urban water snake population: Mark-recapture of <i>Nerodia erythrogaster</i> on The University of Texas at Austin campus
2:45 PM	T Jackman	G Orti	A Savitzky
	Phylogenetic affinities of the Namaqua day gecko, <i>Phelsuma ocelatta</i>	Phylogeny and time-frame for the diversification of sticklebacks based on new fossil evidence and nuclear gene sequences	Variation in Bufadienolide-Based Chemical Defenses of the Natricine Snake, <i>Rhabdophis tigrinus</i> , in Japan
3:00 PM	J Schulte	P Ciccotto	T Schwaner
	Phylogenetic Analysis of South American Liolaemini Lizards Using Nuclear and Mitochondrial DNA	Descriptions of Five New Species in the Genus <i>Metriaclima</i> (Teleostei: Cichlidae) from Lake Malaŵi, Africa	Stability, Fragility and Resilience: Demography and Life History of Mt. Chappell Island Tiger Snakes
3:15 PM	P Wood	A Konings	P Cochran
	A preliminary phylogeny of the genus <i>Acanthosaura</i> Gray 1931, inferred from mitochondrial and nuclear DNA	Review of <i>Melanochromis</i> , a Cichlid Genus of Lake Malaŵi, with the Description of Three New Species	Temporal Use of Rock Ledge Habitat by Six-lined Racerunners (<i>Aspidoscelis sexlineata</i>) on Southeast Minnesota Bluffs
3:30 PM	A Bauer	N Lang	R Burke
	Phylogeny of the Gekkotan Lizards of the World	Molecular Systematics of the Agonostomatine Mulletts (Teleostei: Mugilidae)	Eastern Fence Lizards Clean the Agent of Lyme borreliosis from Blacklegged Ticks
3:45 PM	B Crother	R Arnold - GI	Y Dubois
	On The SSAR Names List	Resolving the Phylogeny of Frogfishes (Lophiiformes: Antennariidae): Evidence from mtDNA and Ovarian Morphology	Thermoregulation And Habitat Selection In Wood Turtles (<i>Glyptemys insculpta</i>): Chasing The Sun Slowly
4:00 PM	POSTER SESSION I Salle de Bal/Ballroom		HL Business Meeting (6 - 8 p.m.)
4:30 PM			
5:00 PM			
5:30 PM			
6:00 PM			
	GDM = Stoye Genetics Development & Morphology	GI = Stoye General Ichthyology EE = Stoye Ecology & Ethology	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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BREAK-OUT SESSIONS AT A GLANCE
SUNDAY, 27 JULY, Afternoon Sessions

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

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

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

2008 Joint Meeting (JMIH), Montreal, Canada
BREAK-OUT SESSIONS AT A GLANCE
Monday, 28 JULY, Morning Sessions

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

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

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BREAK-OUT SESSIONS AT A GLANCE
Monday, 28 JULY, Afternoon Sessions

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

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

POSTER SESSIONS AT A GLANCE

FRIDAY, 25 JULY, Poster Session I

POSTER #	PRESENTER(S)	POSTER TITLE
1	C Spencer	HerpNET: A Global Virtual Museum of Geospatial Data for Herpetological Collections
2	R Sekonyela	Evolutionary relationships of the frog genus <i>Callulops</i> (Anura, Microhylidae)
3	J Fu	Multiple cryptic species and/or frequent gene introgression? A tale from three high elevation Tibetan megophryid frogs
4	C Stephen	Phylogenetic Analysis of the Iguaninae
5	T Gamble	Into the light: Opsin evolution and multiple origins of diurnality in geckos
6	A Geneva	Amplified Fragment Length Polymorphisms reveal population structuring and long distance dispersal in New Caledonian insular gecko species (Reptilia: Diplodactylidae)
7	C Kenway - SI	Phylogeography of the imperiled Redtail Splitfin (<i>Xenotoca eiseni</i>) in Mexico: Implications for taxonomy and conservation
8	F Garcia	Genetic structure in epigeal population of <i>Astyanax mexicanus</i> at Mexican Atlantic slope and some biological data in blind forms
9	M Westphal	An mtDNA phylogeny of the subfamily Amphistichinae sheds light on anal fin color polymorphism in the silver surfperch, <i>Hyperprosopon ellipticum</i>
10	P Chakrabarty	Revision of the <i>Photoplagios leuciscus</i> Günther, 1860 Species Complex
11	J Birindelli	New species of <i>Leporinus</i> Spix (Characiformes: Anostomidae) from rio Curuá, Iriri-Xingu basin, at Serra do Cachimbo, Brazil
12	T Cavender	Construction Of A Cyprinid Prototype
13	K Conway	Evolution of the spinous dorsal- and anal-fin rays of cyprinine fishes (Ostariophysi: Cyprinidae: Cyprininae)
14	R Duplain	Taxonomic Revision of the Flatfish Genus <i>Trinectes</i> (Achiiridae; Pleuronectiformes)
15	C Zawadzki	Two new species of <i>Hypostomus Lacépède</i> (Teleostei: Loricariidae) from the rio Paranaíba and rio Grande, upper rio Paraná basin, Central Brazil
16	R Javonillo	Progress in Molecular Systematics and Inference of Reproductive Evolution of Characid Fishes (Teleostei: Ostariophysi)
17	C Kenaley	Exploring lightfish (Teleostei: Stomiiformes) relationships: a neuroanatomical approach
18	R Broughton	Assembling the Euteleost Tree of Life
19	R Mayden	A Preliminary Revision Of The <i>Dionda episcopa</i> Complex
20	M Miya	Higher-level Relationships of the Cypriniformes (Actinopterygii: Ostariophysi) Inferred from 238 Whole Mitochondrial Genome Sequences
21	C McMahan	Systematics of the Enigmatic Middle American Genus <i>Vieja</i> (Teleostomi: Cichlidae)
22	R Mooi	Exploring Gobioid Phylogeny Using Morphology – Not a Lost Cause
23	G Orti	DeepFin Research Coordination Network Update: News and Opportunities to Build the Tree of Life of Fishes
24	M Burns	Shape Analysis and Systematic Status of the Blenny Darter, <i>Etheostoma blennioides</i> , a Percid Fish from the Tennessee River Drainage
25	K Saitoh	Interrelationships And Historical Biogeography of Cypriniform Fishes (Actinopterygii: Ostariophysi): Evidences from Mitochondrial Genomics Placed Familial/Subfamilial Branching and Intercontinental Exchanges Older Than Fossil Records
26	D German - SI	Evolution of herbivory in a carnivorous clade of minnows (Teleostei: Cyprinidae): effects on gut structure and function
27	M Davis	A morphological investigation into a potential new species of <i>Moxostoma</i> (Cypriniformes: Catostomidae) from the Kansas River basin
28	L Yang	Phylogenetic Relationships of Labeonini (Teleostei: Cyprinidae) Inferred from Four Nuclear and Three Mitochondrial Loci
29	J Orr	Clarification of the <i>Lycodes diapterus</i> species complex (Perciformes: Zoarcidae), with comments on the subgenus <i>Furcimanus</i>
30	C O'Connell	Evaluation of a Magnetic Barrier on Juvenile <i>Negaprion brevirostris</i> : Preliminary Results
31	M Blanco-Parra - C	Description of the banded guitarfish reproductive tract and embryos development
32	M Bond	Identification by video surveillance of species-specific bait manipulation by lemon sharks, <i>Negaprion brevirostris</i> and its influence on capture susceptibility
33	S Brown	Diet Composition of Four Abundant Skate Species of the Gulf of Alaska
34	T Chapple	A validation for the use of fin photographs for individual identification of white sharks (<i>Carcharodon carcharias</i>) off California and a comparison between two analysis methods
35	J Dickson - C	Three Dimensional Escape Response in the White-spotted Ratfish, <i>Hydrolagus collicii</i>
36	M Evans	Demographics and Habitat Partitioning of Elasmobranchs in Port Royal Sound, South Carolina: Preliminary Results
37	J Fry - C	Preliminary results on the life history of four Bering Sea Skate Species, Genera <i>Bathyraja</i> and <i>Rhinoraja</i>
38	B Harahush - C	Assessing the Ultrastructure of the Elasmobranch Retina: The Application of Microwave and High Pressure Freezing Techniques
39	D Kacev - C	Length Based Population Dynamics Analysis of Mako Sharks on the West Coast of North America
40	A Piercy - C	Maternal influences on embryonic condition and the occurrence of runts in viviparous sharks
41	K Stump	Applying An Individual-Based Modeling Approach To Address Potential Impacts Of Habitat Loss In A Lemon Shark Nursery

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POSTER SESSIONS AT A GLANCE
FRIDAY, 25 JULY, Poster Session I

POSTER	PRESENTER(S)	POSTER TITLE
42	D Smith	Mineralization of Meckel's Cartilage in the Shark, <i>Squalus acanthias</i> : Histological Observations and the Role of Mechanical Stress
43	P Kyne	<i>Mobula japonica</i> (Müller & Henle, 1841) in Australian Waters
44	A Guzman Castellanos	Morphological variation in the dwarf round ray <i>Urotrygon nana</i> (Miyake & McEachran, 1988) from the Gulf of Tehuantepec, Mexico
45	S Albrecht	Target-Training in the Brownbanded Bamboo Shark (<i>Chiloscyllium punctatum</i>) and Nurse Shark (<i>Ginglymostoma cirratum</i>)
46	M Santos	Histology of Lateral Line in Embryos of <i>Potamotrygon motoro</i> (Chondrichthyes: Potamotrygonidae)
47	K Tribuzy	Using Fuzzy Model to Age Estimation of Freshwater Stingrays Species from Rio Negro Basin, Brazil
48	D Bernal	In-vivo Muscle Dynamics Of Thresher Sharks During Sustained Swimming
49	F Carvalho	Ecology of three Elasmobranch species in the Atol das Rocas Biological Reserve, off Northeast Brazil
50	P Charvet-Almeida	Diet of the Freshwater Stingray <i>Potamotrygon motoro</i> (Potamotrygonidae) in the Brazilian Amazon River Channel
51	T Curtis	Management of Skate Fisheries off the Northeastern United States
52	W Duncan	Functional Morphology of the gills of Amazonian Freshwater Stingrays (Elasmobranchii: Potamotrygonidae)
53	V Faria	Elasmobranch fisheries off Northeastern Brazil, Western Equatorial Atlantic
54	D Figueroa	Dentition of the Southern thorny skate, <i>Amblyraja doellojuradoi</i> (Pozzi, 1935): Qualitative Analysis And Anomalies
55	J Sanchez-de Ita	Age And Growth Of The Silky Shark, <i>Carcharhinus falciformis</i> , On The West Coast of Baja California Sur, Mexico
56	C Estupiñan-Montaño	Feeding Habits Of The Scalloped Hammerhead <i>Sphyrna lewini</i> , In Ecuadorian Pacific
57	F Hazin	Ecological aspects of the whale shark (<i>Rhincodon typus</i>) at Saint Peter and Saint Paul Archipelago, Brazil
58	F Hogan	Age validation of little skate and winter skate using tetracycline marking at both egg and adult stages
59	L Hollensead	NOAA Southeast Fisheries Science Center Elasmobranch Tagging Management System: One Database to Bind Them All
60	J Jañez	Age and growth estimates for the smallnose fanskate, <i>Sympterygia bonapartii</i> in the south-west Atlantic and derived from captive born.
61	T Lisney	The Visual Biology Of Holocephalans: A Review
62	L Mejia-Salazar	Reproductive biology of the Pacific sharpnose shark, <i>Rhizoprionodon longurio</i> (Jordan & Gilbert, 1882), in the Mexican Pacific Ocean
63	S Melo	Paratrygon aiereba (Chondrichthyes: Potamotrygonidae) Fisheries at Purus River, Brazil
64	D Ostrow	Population genetic patterns among phenotypically divergent thorny skate (<i>Amblyraja radiata</i>) populations from the western Gulf of Maine
65	G Rincon	Reproductive Aspects of the "Mariquita" Stingray, <i>Dasyatis marianae</i> , of the Northeast Brazil
66	A Shibuya	Comparative study of prey capture mechanisms in freshwater and marine stingrays
67	A Ubeda	Re-examination Of Growth Rates Of Female Bonnethead (<i>Sphyrna tiburo</i>) From Two Different Populations From The Eastern Gulf of Mexico Based On Tag-Recapture Data
68	K Weng	Migration of a High Trophic Level Predator, the Salmon Shark, Between Distant Ecoregions
69	C Ari	The Brain of <i>Mobula japonica</i> (Spinetail Devilray, Myliobatiformes, Elasmobranchii) in Gross Morphological and Ecological Perspectives
70	E Cuevas-Zimbron	Preliminary study on the age and growth of the spinetail mobula, <i>Mobula japonica</i> , (Müller and Henle, 1941), with comments on its vertebral column structure.
71	F Galván-Magaña	Abundance, Seasonal Occurrence, And Biological Information Of Devil Rays (Batoidea: Mobulidae) In The Gulf Of California, Mexico
72	K Townsend	Oceanic Conditions, Chlorophyll-a and Zooplankton; Exploring the Reasons for Seasonal Migrations of <i>Manta birostris</i> in Southern Queensland Waters.
73	M Deakos	Using Paired-Laser Photogrammetry for Measuring Manta Ray (<i>Manta birostris</i>) Sizes. Are Maui's Mantas Horizontally Challenged?
74	K Kumli	Photo-Identification of the Manta Ray, <i>Manta birostris</i> , in the Revillagigedos Islands, Mexico
75	M de Rosemont	Manta Polynesia Research & Protect
76	T Clark	Sixteen Years of Photo-Identification of Hawaiian Manta Rays (<i>Manta birostris</i>)
77	A Marshall	Cleaning Behaviour of a Photographically Identified Population of Manta Rays in Southern Mozambique
78	M Bennett	The Reproductive Ecology of <i>Manta birostris</i> off Southern Mozambique
79	T Kashiwagi	Population Characteristics of <i>Manta birostris</i> Observed in Yaeyama, Okinawa, Japan, 1987-2006
80	M Poortvliet	Population Genetics of Devil Rays
81	B Daw	Management of Manta Ray (<i>M. birostris</i>) Interactive Tours in the Shallow Lagoonal Waters of Ningaloo Reef, Western Australia – A Global Benchmark for Tourism Interactions
82	E Michael	Measuring the Size Distribution of Mantas Rays Seen Along the Kona Coast of Hawaii
83	M Alvarez	Reproductive Biology Of Hammerhead Shark <i>Sphyrna lewini</i> In Salina Cruz, Oaxaca, Mexico

C = CARRIER AES

SI = STORER ICHTHYOLOGY

2008 Joint Meeting of Ichthyologists and Herpetologists, Montreal, Canada
POSTER SESSIONS AT A GLANCE
SATURDAY, 26 JULY, Poster Session II

POSTER #	PRESENTER(S)	POSTER TITLE
1	C Bevier	The effect of parasite infection on phonotaxic response in the Mink Frog, <i>Rana septentrionalis</i>
2	P Cupp	Field Evidence of Unpalatability of Northern Red Salamanders, <i>Pseudotriton ruber</i>
3	K Hansknecht	The Effect of Light Intensity on Predatory Luring by <i>Nerodia clarkii compressicauda</i>
4	E Juterbock	Moisture Relations and Climbing Behavior in the Red-cheeked Salamander, <i>Plethodon jordani</i>
5	B Jellen	Female behavior facilitates mate detection in Northern Watersnakes (<i>Nerodia sipedon</i>)
6	Y Kam	Brooding and Egg Feeding Behavior of a Rhacophorid Tree Frog (<i>Kurixalus eiffingeri</i>) From Taiwan
7	S Mullin	Variation in Amount of Forest Habitat Influences Orientation of Juvenile Amphibians Emigrating from Breeding Ponds
8	D Noble	The Effects of Density on the Reproductive Success of Alternative Mating Tactics in Male Wood Frogs (<i>Rana sylvatica</i>)
9	B Stephenson	Testing the sensory exploitation hypothesis in a lizard, <i>Sceloporus minor</i>
10	J Kim	Effects of a Long-term Elevation of Perceived Predation Risk on Territorial Behaviour in Wild Juvenile Atlantic Salmon
11	P Clarkson	The Influence Of Larval Growth History And Exogenous Thyroid Hormone On Life History Allocation Patterns In The Axolotl (<i>Ambystoma mexicanum</i>)
12	H Modrow	Diet Of Tiger Salamanders In North Dakota, With Implications For Flow Of Heavy Metals Through Wetland Food Webs
13	E Seney - SH	Diet Of The Kemp's Ridley Sea Turtle, <i>Lepidochelys kempii</i> , Along The Upper Texas Coast
14	D Simpson	Factors Affecting Anuran Community Structure Within Delmarva Bays: Implications For Conservation And Management
15	K Babbitt	Genetic Analysis of Amphibian Dispersal in a Forested Landscape
16	T Plenderleith	The Distribution And Movement Of The Northern Dusky Salamander (<i>Desmognathus fuscus</i>) Within A Third Order Stream System
17	P Owen	The Developmental Effects Of Coprophagy And Identification Of Cellulolytic Bacteria In Green Frog Tadpoles, <i>Rana clamitans</i>
18	K Landolt	The Effect Of Predation Risk On The Morphology, Behavior, And Life History Of The Mole Salamander, <i>Ambystoma talpoideum</i>
19	T DeWitt	Form, Function & Fitness—Selection and Performance Gradients for Tadpoles Exposed to Predatory Naiads
20	D Gregoire	Non-native Fishes of South Florida as Predators of Native Larval Anurans
21	C Anthony	Ecological Separation of Striped and Unstriped Forms of <i>Plethodon cinereus</i>
22	K Hoffmann	A Hybrid Technique Using Visual Implant Elastomer and Toe-clipping to Individually Mark Anurans
23	J Purrenhage - SH	Influence of Habitat Structure on Pond-Breeding Amphibians
24	K Summers	Amazonian poison frogs depositing tadpoles with Andean competitors: an ancient ecological trap?
25	T Vasconcelos	Influence Of Habitat Heterogeneity And Climate Variables In Brazilian Anuran Communities
26	T Schriever - SH	Effects of Hurricane Disturbances on Herpetofaunal Communities in Southeastern Louisiana
27	K Berben	The Role Of Prescribed Burn On <i>Pinus palustris</i> (Longleaf Pine) Community Composition And Structure: A Multiple Taxa Approach To Adaptive Management
28	T Luhring - SH	Field Testing Cohort And Capture Marks With Passive Integrated Transponder (PIT) Tags, A Case Study With Greater Siren, <i>Siren lacertina</i>
29	D Trumbo	Using GIS And Ecological Niche Modelling To Investigate The Environmental Factors Regulating Amphibian Distributions In Missouri
30	T Radzio	Winter Activity and Behavior of Yearling Gopher Tortoises (<i>Gopherus polyphemus</i>) in Southern Mississippi
31	J Rowe	Daily Movements and Activity of Stinkpot Turtles (<i>Sternotherus odoratus</i>) in a Southwestern Michigan Lake
32	E Rulison	Multiple Estimates of Terrapin Clutch Size at Gateway National Recreation Area, New York and New Jersey: What is the "real" average?
33	S Lochetto	Lizard Tail Length And Break Frequency Vary Ontogenetically and Ecologically
34	K Nicholson	Ecology And Natural History Of The Knight Anole, <i>Anolis equestris</i>
35	U Kawai	Habitat Use of Morphologically Poorly Diverged Geckos, <i>Gekko yakuensis</i> and <i>Gekko hokouensis</i> in Yakushima, Japan
36	J Row	No Evidence For Sex-Biased Dispersal In Eastern Foxsnakes (<i>Elaphe gloydi</i>) Within Two Disjunct Regional Populations In Ontario
37	J Pruett	Preliminary Investigation of Microhabitat Use of <i>Agkistrodon piscivorus</i> Inhabiting a Floodplain
38	K Neal	Population-level Comparisons of Enzyme Activities in Venom of the Florida cottonmouth, <i>Agkistrodon piscivorus conanti</i>
39	B Halstead	Body Temperature Selection and Thermoregulatory Efficiency of the Giant Garter Snake
40	R King	Body Temperatures of Hibernating Watersnakes
41	P Andreadis	Seasonality Syndrome and Proliferating Pythons
42	A Whiting - CARC	The role of tadpoles in temporary pond food webs within the Aspen Parkland of Alberta

CARC = Best Student Poster

SH = STORER HERPETOLOGY

**2008 Joint Meeting of Ichthyologists and Herpetologists, Montreal, Canada
 POSTER SESSIONS AT A GLANCE
 SATURDAY, 26 JULY, Poster Session II**

POSTER	PRESENTER(S)	POSTER TITLE
43	J Ploss - CARC	Evaluating predictive habitat models based on presence data for the threatened spring salamander <i>Gyrinophilus porphyriticus</i> in Quebec, Canada
44	R Lougheed - CARC	The relation between variation in phenotypic fitness proxies and DNA microsatellite heterozygosity in eastern foxsnakes (<i>Elaphe gloydi</i>)
45	N Cairns - CARC	The smooth green snake and the northern red-bellied snake: A comparison of the ecology of two small, terrestrial, northern snakes
46	S Werman	Evolution of Neurotoxins in Rattlesnakes: DNA and Peptide comparisons
47	S Mackessy	Three-finger Toxins In Viperid Venoms: A Comparison Of The Proteome And Transcriptome Of The Desert Massasauga (<i>Sistrurus catenatus edwardsii</i>)
48	P Jackson-Tooby - SH	Home Range Size of male and female Northern Pacific Rattlesnakes (<i>Crotalus o. oreganus</i>)
49	B Greene	Thermal Effects on Strike-induced Chemosensory Searching in the Cottonmouth, <i>Agkistrodon piscivorus</i>
50	M Cardwell	Techniques for Identification of Prey by Scat Analysis
51	J Ballenger	Assessing the Use of Artificial Structure in a Fragmented Landscape: Herpetofauna as a case study
52	K Beauclerc	Conservation genetics of the highly endangered Puerto Rican crested toad (<i>Peltophyne lemur</i>)
53	J Davis - SH	Urbanization And Immunology: Injury Incidence, Wound Healing, And Hematology Of Urban And Natural Gila Monsters In The Sonoran Desert
54	A Krivoruchko	Differential Expression of Peroxiredoxins in an Anoxia-Tolerant Turtle
55	K Storey	Expression of Heat Shock Proteins and Heat Shock Factor-1 in Response to Dehydration in <i>Xenopus laevis</i>
56	F Zaidan III	Osmoregulation in the Diamond-backed Watersnake (<i>Nerodia rhombifer</i>): Salt Stress is Stressful
57	E Taylor	Annual Body Temperature Profiles of Free-Ranging Male Northern Pacific Rattlesnakes (<i>Crotalus o. oreganus</i>)
58	K van Doorn	Vascular dynamics in the snake spectacle
59	P McLaughlin	Changes in Metabolism and Swim Bladder Characteristics of American Eels in response to infection with <i>Anguillicola crassus</i>
60	H Sadauskas-Henrique	Histopathology of the gills of <i>Astyanax fasciatus</i> and <i>Pimelodus maculatus</i> of Reservoir from Dam of Furnas, Brazil
61	T Ford	Cannulation Of The Second Afferent Branchial Artery In Atlantic Cod, <i>Gadus morhua</i> , As Method Of Reducing Sampling-induced Stress
62	E Maravilla	Muscle Activity Patterns And Feeding Kinematics In Atlantic Hagfish (<i>Myxine glutinosa</i>)
63	A Geheber - SI	Fish Community Persistence And Stability In The Pearl River: A Contemporary Study
64	K Longenecker	Life History of Manini, <i>Acanthurus triostegus sandvicensis</i>
65	T Meckley	The Impact Of Agriculture And Sedimentation On Fish Community Structure
66	T Vigliotta	Ichthyofaunal Survey of the Rivers of the Eastern Arc Mountains in Tanzania
67	C Chang	The occurrence of large-sized blueberry roughy <i>Gephyroberyx japonicus</i> off the southwestern Taiwan coast
68	F Uiblein	Composition, distribution, and diversity of pelagic fishes around oceanic islands
69	J Maldonado Ocampo	Altitudinal variation of a freshwater fish assemblage in mountain streams of the north flank of the Andes in Colombia
70	F Gibran	Structure and Composition of Rocky Shore Fishes Across a Nearshore to Open Ocean Gradient in Southeastern Brazil
71	J McClain	Trophic Structure Of Midwater Fishes Near Cold Seep Areas In The Gulf Of Mexico Based On Stable Isotopic Analyses
72	S Correa	Feeding Ecology of an Introduced Generalist Frugivorous Fish: the Fate of Pacu in the Sepik River, Papua New Guinea
73	M Taylor	Stomach Content Analysis of <i>Kuhlia xenura</i> in Kolekole Stream, Hawai'i
74	C Montana	Comparative Ecology of Two <i>Crenicichla</i> Species (Teleostei: Cichlidae) in a Venezuelan Neotropical Floodplain River
75	A Pease	The Ecology of an Introduced Cichlid, <i>Archocentrus nigrofasciatus</i> , and Native <i>Herichthys</i> Cichlids in the Río Pánuco Basin, Mexico
76	F Galván-Magaña	Trophic Ecology Of Thresher Sharks <i>A. pelagicus</i> Nakamura 1935 And <i>Alopias superciliosus</i> (Lowe, 1839) In Ecuadorian Pacific
77	A Quattrini	Distribution of Anguilliform Leptocephali In The Gulf Of Mexico, With Preliminary Data On Stable Isotopic Composition
78	C Kaufman	Form, Function & Fitness—Selection and Performance Gradients for Mosquitofish Exposed to Predatory Sunfish
79	R Torres-Mejia	Effect Of Predation On Body Shape And Life History Of Females Of <i>Gambusia</i> (Teleostei: Poeciliidae).
80	J Langston	Salinity Tolerance of the African Jewelfish <i>Hemichromis letourmeuxi</i> , a Non-Native Fish in South Florida
81	A Wintzer	Interactions between fishes and invasive jellyfish in the upper San Francisco Estuary, USA
82	A Acero	Biological Aspects Of Some Sciaenid Species From The Marine Area Along The Via Parque Isla De Salamanca, Colombian Caribbean
83	A Fuiten	Four new <i>Amolops</i> species from Myanmar

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**2008 Joint Meeting of Ichthyologists and Herpetologists, Montreal, Canada
 POSTER SESSIONS AT A GLANCE
 SUNDAY, 27 JULY, Poster Session III**

POSTER #	PRESENTER(S)	POSTER TITLE
1	K Parris	Trading Off the Value and Impact of Ecological Field Studies: A Case Study of Toes, Swabs, Tadpoles and Tail Tips
2	J Pechmann	Is There More Food for the Endangered Dusky Gopher Frog in Frequently Burned, Grass-Dominated Longleaf Pine Understory Than in Fire-Suppressed, Shrub-Dominated Understory?
3	K Kendell	Alberta Volunteer Amphibian Monitoring Program
4	C Steelman	Developing Predictive Models of Anuran Calling Activity: Optimization of Amphibian Monitoring Programs
5	Z Otke	Habitat Suitability Index Models for the Wood Frog (<i>Rana sylvatica</i>) and Boreal Chorus Frog (<i>Pseudacris triseriata maculata</i>) in the Foothills Parkland Natural Sub-region and Bow River Basin, Alberta
6	J Veysey	Effects of Forest Clearcutting and Buffer Width on Demography of Vernal Pool Amphibians
7	E Muths	Detection of Wood Frog Egg Masses and Implications for Monitoring Amphibian Populations
8	M Gallagher	Pollutants As Limiting Factors On Wood Frog Use Of Stormwater Ponds In A Suburban Watershed
9	D Hocking	The Effects of Natural and Anthropogenic Disturbance on Red-backed Salamanders in Northern Hardwood Forests
10	B Brodman	The importance of natural history, landscape factors, and management practices, in conserving pond-breeding salamander diversity
11	E Carcagno	Orientation of Vernal Pool Amphibians in an Industrial Forest Landscape
12	A Brand	Amphibian Reproduction in a Suburban Landscape: The Value of Manmade Habitats
13	B Todd	The North American Reporting Center for Amphibian Malformations and Online Amphibian Information Portal
14	K Whittaker	AmphibiaWeb: A Dynamic Online Resource Aiding Amphibian Conservation
15	L Regula-Meyer - SH	<i>Typha angustifolia</i> and <i>Phragmites australis</i> may differentially affect <i>Rana clamitans</i> and <i>Rana catesbeiana</i>
16	V Titus	Upland movements of juvenile eastern tiger salamanders (<i>Ambystoma tigrinum tigrinum</i>) on Long Island
17	G Colli	The structure of lizard assemblages in cerrado sensu stricto, central Brazil, under different burn regimes
18	E Britt	Fire History and Sand Skink (<i>Plestiodon reynoldsi</i>) Population Abundance
19	S Wisniewski	Brown Tree Snake Invasion Risk Assessment for the Continental United States
20	R Benjamin	Evaluating the Success of Timber Rattlesnake Relocation Efforts in Eastern Kansas
21	P Rutherford	Predicting suitable habitat for the northern prairie skink (<i>Plestiodon septentrionalis</i>) in Manitoba
22	L Walston	Habitat Use and Movement Patterns of Eastern Hognose Snakes (<i>Heterodon platirhinos</i>) in Southcentral New Hampshire
23	S Pittman - SH	Population dynamics and demography of a bog turtle (<i>Glyptemys muhlenbergii</i>) population in a Piedmont meadow bog
24	S Sterrett	Evaluating Patterns of Riparian Disturbance and their Influence on Aquatic Turtles in the Lower Flint River Basin, Georgia
25	L Erb	Mowing Guidelines in Turtle Habitat: Pastures, Successional Fields, and Hayfields
26	D Masse	Raccoon Predation On A Northern Wood Turtle Population –A New Event At The Limit of its Range
27	M Hinderliter	Headstarting Gopher Tortoises (<i>Gopherus polyphemus</i>) in Southern Mississippi
28	H Balbach	Development of a handbook on Gopher Tortoise (<i>Gopherus polyphemus</i>) health evaluation procedures
29	G Bentrup	Tools for Planning and Designing Conservation Buffers
30	K Carpenter	The IUCN Global Marine Species Assessment - Laying the Foundations for Marine Conservation
31	R Hopkins - SI	Predictive Modeling And Spatial Mapping Of Rare Fish Species Using Boosted Regression Trees: A Step Toward High-Resolution Conservation Planning
32	K Capps - SI	The Impacts of Armored Catfish (Siluriformes: Loricariidae) on Invaded Freshwater Ecosystems
33	W Duffy	Is Cating's method of transverse groove counts to annuli in American shad (<i>Alosa sapidissima</i>) applicable to rivers other than the Hudson and the Connecticut?
34	M Conner	The Conservation Status of the southern cavefish <i>Typhlichthys subterraneus</i> in Arkansas
35	E Balart	<i>Sparus aurata</i> (Perciformes: Sparidae): A New Potential Harmful Invader in the Gulf of California
36	M Nicholson	Effect of American Beaver Dams and Impoundments on Endangered Okaloosa Darters
37	B Fluker	Phylogeographic structure of the federally threatened Slackwater Darter, <i>Etheostoma boschungii</i>
38	P Fuentes	South Nayarit, Mexico commercial marine ictiofauna composition for (2007-2008)
39	R Feeney	Description of a <i>Liopropoma</i> Larva from the Gulf of California (Actinopterygii: Serranidae)
40	J Szlachciak	Developmental Morphology of the Skeleton of the Barbel, <i>Barbus barbus</i> (Linnaeus, 1758) (Ostariophysi, Cyprinidae)
41	F Cerutti	Photo identification of manta rays in the Indo-Pacific Ocean

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POSTER SESSIONS AT A GLANCE
SUNDAY, 27 JULY, Poster Session III

POSTER #	PRESENTER(S)	POSTER TITLE
42	K Cabarle	An Assessment Of Heavy Metal Toxicity In Embryonic And Larval Axolotl (<i>Ambystoma mexicanum</i>)
43	C Lind - SH	Egress and reproduction in Northern Pacific rattlesnakes (<i>Crotalus o. oregonus</i>) in central California
44	R Krohmer	Role of Sex Steroid Hormones and Environmental Factors on the Initiation of Courtship Behavior and Mating in Male Red-Sided Garter Snakes, a Species Exhibiting a Dissociated Reproductive Pattern
45	M Parker	Female mimicry in garter snakes: the role of estrogen
46	K Cole	Transient ontogenetic expression of hermaphroditic gonad morphology in the <i>Gobiosoma</i> group of the Neotropical Seven Spined Gobies (<i>Gobiosomatini</i> , <i>Gobiidae</i>)
47	N Gonzalez	Reproductive Ecology of the Fish Assemblages of Two Floodplain Lagoons of the Low Orinoco River Basin
48	J Kinsey	Effects of PCB exposure on the reproductive potential of artificially matured male American eels
49	M Tweedie	Validation of Daily Increment Formation on Otoliths and Birth Date Calculation for Young-of-the-Year Black Sea Bass (<i>Centropristis striata</i>)
50	J Wright - SI	The Phylogenetic Distribution of Siluriform Venom Glands
51	T Geerinckx	The Fish That Scrapes Its Food: A Kinematic Analysis Of The Scraping Jaw Movements In The South American Suckermouth Armored Catfishes (<i>Loricariidae</i> , <i>Siluriformes</i>)
52	A Barrera-Garcia	Osteological Description Of Fish Species From The Family <i>Carangidae</i>
53	M Ristovska	Ontogeny of the Branchial Muscles of the Ohrid Trout (<i>Salmo letnica</i> Karaman, 1924)
54	L Chapman	Disentangling Complex Phenotype-environment Relationships: Diversification of the African Cyprinid <i>Barbus neumayeri</i> across Water Flow and Oxygen Gradients
55	L Ferry-Graham	Unusual jaw morphology facilitates piscivory in the pike killifish, <i>Belonesox belizanus</i>
56	C O'Quin - SI	Developing a Basis for Convergence: Ontogeny of the Zebrafish Pharyngeal Jaw Apparatus
57	F Oberg	Origin and development of the palatal organ: Using zebrafish to investigate the development of trophic morphological novelties
58	P Hernandez	Distribution of muscle fiber types within chondrichthyan muscles
59	P Konstantinidis	The dorsal- and anal-fin skeleton of the Mediterranean clingfish <i>Gouania wildenowi</i> (Teleostei: <i>Gobiesociformes</i>)
60	K Mandrekar	Morphological Analysis of North American Cave and Swamp fish (<i>Amblyopsidae</i>)
61	T Stewart - SI	The Evolution and Design of a Unique Feeding Mechanism: Asymmetry in Lake Tanganyika Scale Eating Cichlids
62	M Pelletier	Larval fish locomotion: empirical data, swimming signature and model prediction
63	D Siegel	Histology of the paired-fin adhesive pads of ostariophysan fishes (Teleostei: <i>Ostariophysii</i>)
64	M Jorgensen	Temperature, Toads, and Trajectories: Morphological Ontogeny of Tadpoles in Different Thermal Regimes
65	T Schriever	Adhesive glands in <i>Gastrophryne carolinensis</i>
66	K Gribbins	Spermatid Ultrastructural Changes during Spermiogenesis within the Western Cottonmouth (<i>Agkistrodon piscivorus leucostoma</i>)
67	J Bartoszek	Genetic Differentiation of Spotted Salamanders (<i>Ambystoma maculatum</i>) in a Fragmented Landscape in Southwest Ohio
68	D Buth	Genetic Confirmation of Hybridization between <i>Catostomus fumeiventris</i> and <i>Catostomus santaanae</i> (Cypriniformes: <i>Catostomidae</i>) in the Santa Clara Drainage
69	J Austin	Genetic estimates of population structure of the endangered Okaloosa darter
70	G Hubbard	Population Genetics of Four Species of <i>Pteronotropis</i>
71	R Peruquetti	Cytochemical study of the nucleolar cycle during spermatogenesis of <i>Tilapia rendalli</i> (Teleostei, <i>Cichlidae</i>)
72	R Peruquetti	Evaluation genotoxic and mutagenic potential of waters of Preto river through micronucleus test using erythrocytes of <i>Oreochromis niloticus</i> (Teleostei, <i>Cichlidae</i>)
73	C Beachy	On The Absence Of A Plethodontid From The Northern Great Plains Of Manitoba With Comments On Our Description Of A New Species, <i>Plethodon prairiensis</i> sp. nov., That Is Based On No Specimens Or Data
74	L King	Diversification and Phylogeography of <i>Melanophryniscus rubriventris</i> (Anura: <i>Bufonidae</i>)
75	M Roberts	Mixed stock analysis of adult male loggerhead sea turtles (<i>Caretta caretta</i>) from Cape Canaveral, Florida, USA
76	W Roosenburg	Intraspecific Phylogeography of <i>Graptemys ouachitensis</i>
77	K Stewart	Morphological And Call Divergence, And Contact Zone Dynamics Of Cryptic Lineages Of The Spring Peeper (<i>Pseudacris crucifer</i>)
78	M White	A Reexamination of Relationships Among the Palm Pit Vipers (<i>Bothriechis</i>)
79	R Reis	Species richness and clad diversity in freshwater fishes of the Americas
80	H Hamilton	Taxonomy and phylogeography of <i>Hippocampus kuda</i> in Papua New Guinea
81	R Schelly	Patterns of fish diversification in the lower Congo River rapids region of west central Africa

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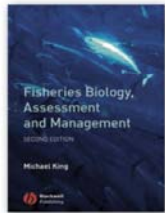
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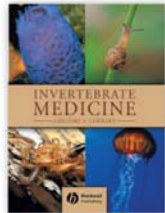
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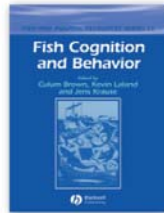
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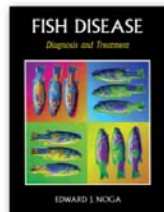
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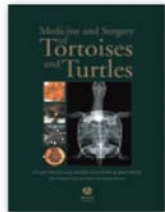
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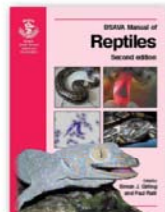
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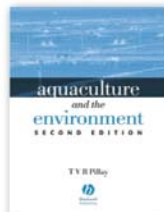
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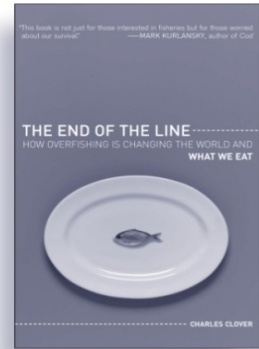
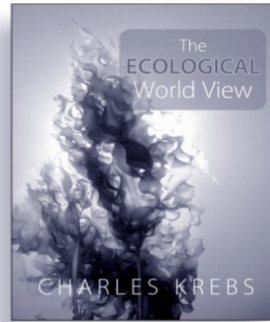
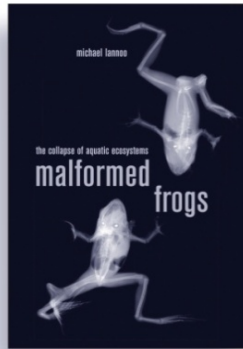
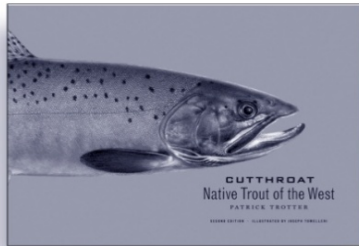
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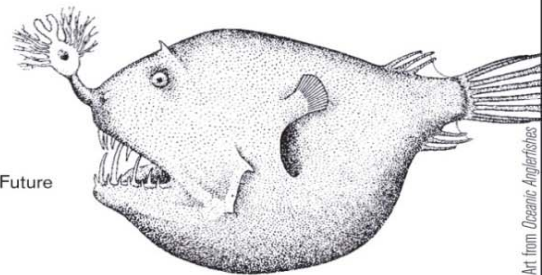
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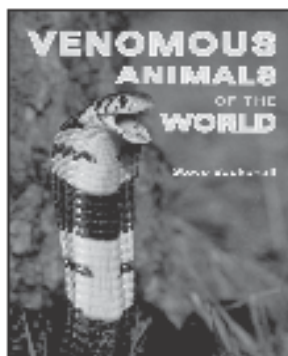
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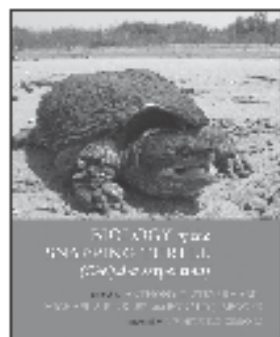
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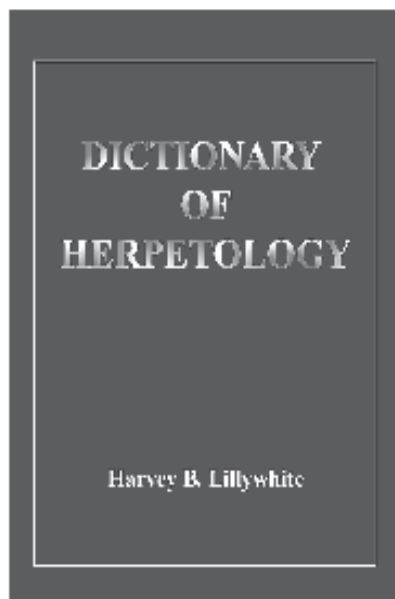
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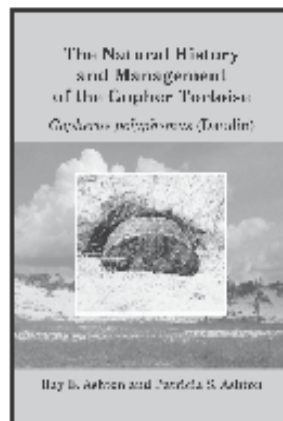


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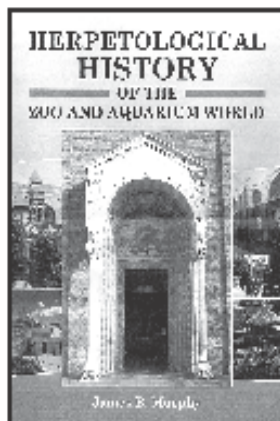
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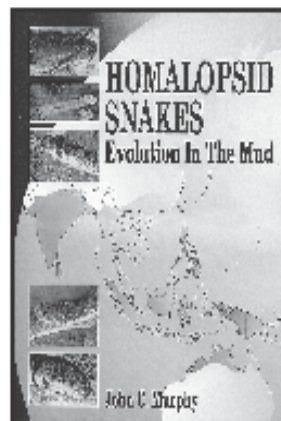
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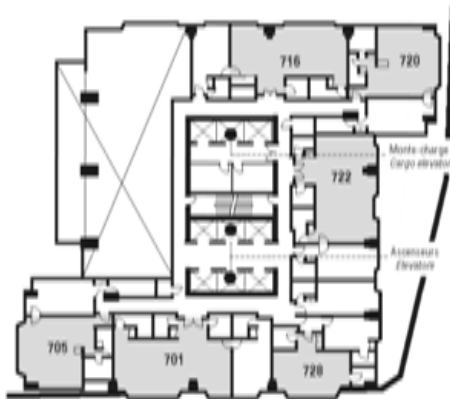
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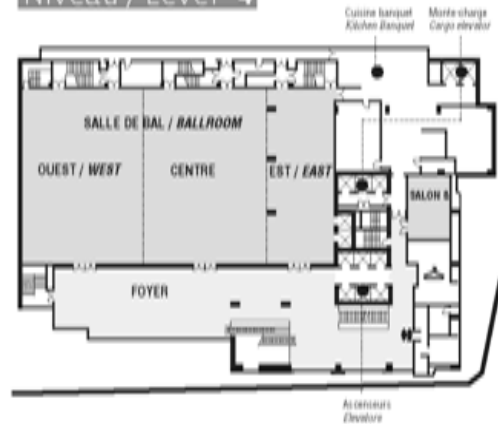
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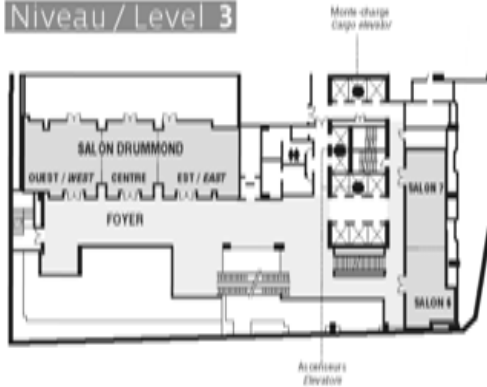
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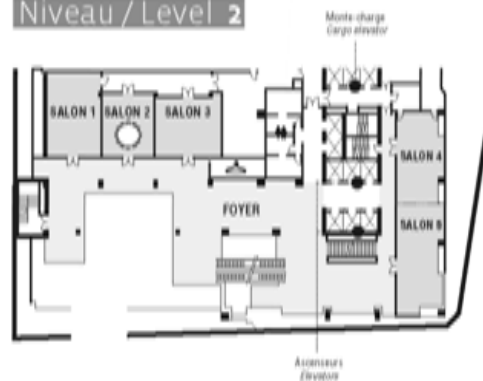
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