

Program Book

**Joint Meeting of Ichthyologists and Herpetologists
July 6-11, 2005**

American Elasmobranch Society
21st annual meeting

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American Society of Ichthyologists and Herpetologists
85th annual meeting

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Herpetologists' League
63rd annual meeting

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Society for the Study of Amphibians and Reptiles
48th annual meeting

Hosted by the University of South Florida at the Marriott Tampa Waterside Hotel and Marina

Tampa, Florida.

JOINT MEETING 2005 SESSION & SYMPOSIA MASTER

	ROOM	THURSDAY 7-Jul	FRIDAY 8-Jul	SATURDAY 9-Jul	SUNDAY 10-Jul	MONDAY 11-Jul
AM	SALON AB		SEIBERT EVOLUTION/ SEIBERT PHYSIOLOGY// JAEGER	SEIBERT ECOLOGY II/ AMPHIBIAN CONSERVATION & ECOLOGY	HERP GENETICS	AMPHIBIAN DECLINE
	SALON CD		HERP CONSERVATION	HERP SYSTEMATICS II	HERP SYSTEMATICS III/ TURTLE ECOLOGY I	BOAS & PYTHONS
	SALON GH		HERP PHYSIOLOGY	REPTILE BEHAVIOR	AMPHIBIAN ECOLOGY	INTRODUCED AMPHIBIANS & REPTILES
	SALON IJ		FISH CONSERVATION	ANURAN ECOLOGY/ FISH ECOLOGY IV	SNAKE ECOLOGY I	SALAMANDER ECOLOGY
	SALON IV	PLENARY	FISH RELATIONSHIPS	FISH BIOGEOGRAPHY I	FISHERIES & MANAGEMENT/ FISH SYSTEMATICS II	FISH SYSTEMATICS IV
	SALON V		FISH ECOLOGY II	AES	CENTRARCHIDS	FISH PHYSIOLOGY II
	SALON VI		AES CAILLIET AGE & GROWTH	AES MOVEMENT & HABITAT	AES	AES
			LUNCH	LUNCH	LUNCH	LUNCH
PM	SALON AB	SEIBERT CONSERVATION	SEIBERT ECOLOGY I	SNAKE CONSERVATION	HERP REPRODUCTION	AMPHIBIAN DECLINE
	SALON CD	TURTLE CONSERVATION	HERP SYSTEMATICS I	ANURAN CONSERVATION	TURTLE ECOLOGY II	BOAS & PYTHONS
	SALON GH	HERP BIOGEOGRAPHY	HERP ENDOCRINOLGY & MORPHOLOGY	LIZARD ECOLOGY	AMPHIBIAN BEHAVIOR	INTRODUCED AMPHIBIANS & REPTILES
	SALON IJ	FISH SYSTEMATICS I	FISH MORPHOLOGY I	FISH BEHAVIOR I	SNAKE ECOLOGY II	FISH BEHAVIOR III
	SALON IV	FISH ECOLOGY I	FISH RELATIONSHIPS/ FISH PHYSIOLOGY I	FISH BIOGEOGRAPHY II	FISH SYSTEMATICS III	FISH SYSTEMATICS V
	SALON V	FISH GENETICS I	FISH ECOLOGY III	AES	FISH BEHAVIOR II	FISH MORPHOLOGY II/ FISH GENETICS II
	SALON VI	AES CAILLIET AGE & GROWTH	AES MORPHOLOGY	AES	AES	AES
	MEETING ROOM 8 POSTER SESSION		ATOL			
			POSTER I	POSTER II	POSTER III	
	BUSINESS MTGS		HL (6 - 8 pm) SFC (4:00-6:00 pm) NIA (7-9 pm)	AES (3 - 5 pm) SSAR (5 - 7 PM)	ASIH (6 - 8 PM)	Southeast Division of ASIH (12-1:30)
EVE		AQUARIUM RECEPTION (6 - 9 PM)		PICNIC (7 - 10 pm)	AES BANQUET (7 -11 PM)	JOINT MEETING BANQUET (6 -10 PM)

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A list of joint meeting participants will be available on the web site beginning
July 20, 2005
www.dce.ksu.edu/jointmeeting

Local Hosts

Local Hosts

Henry Mushinsky

Professor of Biology, University of South Florida

Philip Motta

Professor of Biology, University of South Florida

Earl McCoy

Professor of Biology, University of South Florida

Brandon Casper

Graduate Student, Ichthyology

Katie Basiotis

Graduate Student, Herpetology

Andre Castro

Graduate Student, Ichthyology

Brian Halstead

Graduate Student, Herpetology

Neal Halstead

Graduate Student, Herpetology

Daniel Huber

Graduate Student, Ichthyology

Sofia Hussain

Graduate Student, Herpetology

Joel Johnson

Graduate Student, Herpetology

Dayv Lowry

Graduate Student, Ichthyology

Kyle Mara

Graduate Student, Ichthyology

Robin Moore

Post Doctoral Scientist, Herpetology

Samantha Mulvany

Graduate Student, Ichthyology

Travis Robbins

Graduate Student, Herpetology

Lisa Whitenack

Graduate Student, Ichthyology

Society Officers

American Elasmobranch Society

President:	Jeff Carrier, Albion College, jcarrier@albion.edu
Past President:	Carl Luer, Mote Marine Laboratory, caluer@mote.com
Secretary:	Cami McCandless, NMFS, cami.mccandless@noaa.gov
Treasurer:	Julie Neer, NMFS, julie.neer@noaa.gov
Newsletter Editor:	John Morrissey, Hofstra University, biojfm@hofstra.edu
Webmaster:	George H. Burgess, Florida Museum of Natural History, gburgess@flmnh.ufl.edu

American Society of Ichthyologists and Herpetologists

President:	Lynne R. Parenti, Smithsonian Institution, parenti.lynne@nsmnh.si.edu
President-Elect:	Darrel R. Frost, American Museum of Natural History, frost@amnh.org
Past President:	Patrick T. Gregory, University of Victoria, viper@uvic.ca
Secretary:	Maureen A. Donnelly, Florida International University, asih@fiu.edu
Treasurer:	Margaret A. Neighbors, Los Angeles County Museum of Natural History, mneighbors@prodigy.net
Editor:	Scott Schaefer, American Museum of Natural History, schaefer@amnh.org
Society Historian:	David G. Smith, Smithsonian Institution, smith.davidg@nsmnh.si.edu

Herpetologists' League

President: Henry R. Mushinsky, University of South Florida, Mushinsk@chumal.cas.usf.edu
Vice President: Robert Jaeger, University of Louisiana-Lafayette, biology@louisiana.edu
Secretary: Mac F. Given, Neumann College, mgiven@neumann.edu
Treasurer: Lora Smith, Joseph W. Jones Ecological Center, lora_smith@jonesctr.org
Publications and Webmaster:
Christopher Phillips, Illinois Natural History Survey, chrisp@denr1.igis.uiuc.edu

Society for the Study of Amphibians and Reptiles

President: Robin M. Andrews, Virginia Polytechnic Institute, randrews@vt.edu
President Elect: Roy McDiarmid, National Museum of Natural History, mcdiarmid.roy@nsmnh.si.edu
Past President: Janalee P. Caldwell, University of Oklahoma, Caldwell@ou.edu
Secretary: Marion R. Preest, The Claremont Colleges, mpreest@jsd.clarmont.edu
Publications Secretary: Breck Bartholomew, ssar@herplit.com
Treasurer: Theodora Pinou, Yale University, theodora.pinou@yale.edu

General Meeting Information

Banking Services

Automatic Teller Machines (ATM)

An ATM is located in the hotel next to Starbucks.

Gift Items and Sundries

The hotel has a gift shop located on the lobby level. Hours of business are posted.

Greening the Meeting

The following measures have been implemented for the 2005 Joint Meeting of Ichthyologists and Herpetologists:

- The Meeting Announcement was posted on the web rather than printed.
- Abstracts were submitted electronically.
- Confirmation of abstracts received and scheduling announcements were sent electronically.
- Registration confirmations were sent electronically whenever possible.
- Meeting participant list will be posted on the web site rather than printed.
- Only washable tableware used for breaks.
- Paper copies of abstracts by request only. Abstracts burned to CD and posted on web site.
- Tampa Waterside Marriott is a "green hotel." Daily towel and linen exchange is optional. Towels left on the floor will be exchanged.

Lost and Found

If you have lost a personal item during the meeting, you may check with the conference registration desk for these items. You may also dial "0" from a house phone and the hotel lost and found will be checked.

Messages and Job Announcements

Message boards are located in the registration area. 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 (813) 221-4900 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.

Tickets

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

Food and Beverage Tickets

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

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

Picnic ticket(s) for Saturday, July 9 at Lowry Park Zoo. This ticket will include 2 drink tickets good for beer and sodas only. Please provide the picnic ticket to the servers when you start through the buffet lines. Be sure to remove your drink tickets first!

Banquet ticket(s) for Monday, July 11. Please give your banquet ticket to a host volunteer at the doors when you enter the Salon E/F for the banquet.

Public Transportation

For information on public transportation options and costs, please go to the concierge desk in the lobby of the Marriott Hotel.

Personal Safety

The area of the hotel and Channelside/Ybor City are patrolled by law enforcement regularly. We do recommend, for your personal safety, that you remain aware of your surroundings, enjoy the city with colleagues and do not leave personal property unattended.

Exhibitors

Exhibitors are located in Salon E and F. As of the printing of the program book on May 26, the following commercial exhibitors were confirmed:

- Bibliomania!
- Biomark Inc.
- Cornell University Press
- CRC Press
- CSIRO Publishing
- ECO
- H. Stevan Logsdon
- Holohil Systems Ltd.
- John Hopkins University Press
- Kreiger Publishing Company
- Ocean Action Photography & Video Productions
- Paul Gritis Books
- Skulls Unlimited
- Society for the Study of Amphibians and Reptiles (SSAR books)
- University of California Press
- University of Chicago Press
- Verlag Dr. Friedrich Pfeil

Exhibit hours:

Thursday	1:30-5:00 pm
Friday	9:30 am-6:00 pm
Saturday/Sunday	9:30 am-6:00 pm
Monday	9:30 am-12 noon

Information for Oral and Poster Presenters

Audio-Visual Information

Your presentation **MUST** be turned in at the registration desk by 3:00 pm the day preceeding your presentation. Please leave your contact information with your presentation. If there are any concerns with the loading of your presentation, every effort will be made to contact you.

Each presentation room is equipped with LCD projectors and PCs. Each computer contains one DVD/CD ROM, USB port, and Zip Drive. Softward includes QuickTime, Windows Media, Microsoft Office 2000 and Windows XP. Any other audio-visual equipment must have been requested in advance. No additional equipment can be made during the meeting.

Three practice rooms are available each day, Salon I, II and III. Salon I will include a CD burner and is available by sign up on a first-come first-served basis. A sign-up schedule is posted outside the entrance door to each room. The practice rooms are available the following hours:

Thursday - Sunday, July 7-10, 7:00 am - 10:00 pm
Monday, July 11, 7:00 am - 5:00 pm

Session Moderators

Each session has a designated moderator to facilitate the presentations. The names of session moderators are noted in the session schedule. Moderators should have received their packet of instructions checking in at the registration table.

Poster Sessions

Dates and Times

Three separate poster sessions will be held:

Friday 4:00 – 6:00 pm

Saturday 4:00 – 6:00 pm

Sunday 4:00 – 6:00 pm

At least one author must be present during the entire scheduled poster session time period. Please remove your poster promptly following the poster session so that the next presenter can set their poster.

Poster Board Assignments

A listing of the poster sessions is current as of the printing of the program book. Refer to the posted list outside Salon E/F for the current list of posters.

All posters boards are numbered. The title and author will be posted on each board. Because some posters are part of competitions, it is important that each presenter place their poster in the correct location.

Set-up Time

For Session I (Friday, July 8)

Thursday, July 7 5:00 – 6:00 pm

Friday, July 8 7:30 – 9:00 am

For Session II (Saturday, July 9)

Friday, July 8 6:00 – 7:00 pm

Saturday, July 9 7:30 – 9:00 am

For Session II (Sunday, July 10)

Saturday, July 10 6:00 – 7:00 pm

Sunday, July 10 7:30 – 9:00 am

Poster presenters can set their posters up between 7:30 am and 9:00 am on the day they are scheduled to present, so that the posters are ready for viewing at the beginning of the first refreshment break at 9:30 am.

Take-down

Posters must be removed from the boards immediately at the end of that day's poster session. Those not removed by the author will be discarded.

Business and Committee Meetings for Participating Societies

Wednesday, July 6

8:00 am - 1:00 pm	SSAR Board of Directors Meeting, Meeting Room 12
9:00 am - Noon	AES Executive Committee, Meeting Room 2
9:00 am - 2:00 pm	ASIH Executive Committee, Meeting Room 3
2:00 - 5:00 pm	ASIH Editorial Policy Committee, Meeting Room 3
2:00 - 10:00 pm	HL Board of Trustees Meeting, Meeting Room 12
2:00 - 5:00 pm	AES Board of Governors, Meeting Room 2
2:00 - 5:00 pm	ASIH Board of Governors, Salon VI
7:30 - 10: 00 pm	SSAR President's Travelogue, Salon GHI

Thursday, July 7

Noon - 1:30 pm	ASIH Judges Meeting, Meeting Room 10, Lunch Provided
Noon - 1:30 pm	ASIH Conservation Committee, Meeting Room 7, Lunch Provided
Noon - 1:30 pm	SSAR Judges Meeting, Meeting Room 1, Lunch Provided

Friday, July 8

Noon - 1:30 pm	AES Student Business Meeting, Salon VI, No Lunch
Noon - 1:30 pm	ASIH Long Range Planning and Policy Committee, Meeting Room 1, Lunch Provided
Noon - 1:30 pm	HL Awards Meeting, Meeting Room 2, Lunch Provided
1:30 - 5:00 pm	Amphibia Tree Workshop, Meeting Room 8
4:00 - 6:00 pm	Southeastern Fishes Council Business Meeting, Salon AB
5:00 - 6:00 pm	HL Awards Meeting, Meeting Room 2
6:00 - 8:00 pm	ASIH Collections Committee, Meeting Room 1
6:00 - 8:00 pm	HL Business Meeting, Salon GH
7:00 - 9:00 pm	NIA Business Meeting, Meeting Room 8

Business and Committee Meetings for Participating Societies (continued)

Saturday, July 9

Noon - 1:30 pm	ASIH Meeting Management and Planning, Meeting Room 1, Lunch Provided
3:00 - 5:00 pm	AES Business Meeting, Salon VI
5:00 - 7:00 pm	SSAR Business Meeting, Salon GH

Sunday, July 10

Noon - 1:30 pm	ASIH Endowment & Finance Committee, Meeting Room 2, Lunch Provided
3:30 - 5:30 pm	AES Open Microphone, Salon VI
6:00 - 8:00 pm	ASIH Business Meeting, Salon AB

Monday, July 11

Noon - 1:30 pm	Southeast Division of ASIH, Meeting Room 1, No Lunch Provided
Noon - 1:30 pm	ASIH Graduate Student Participation Committee, Meeting Room 9, No Lunch Provided
Noon - 1:30 pm	ASIH Names of Fishes, Meeting Room 2, Lunch Provided

All activities, unless otherwise noted, will be held at the Tampa Marriott – Waterside Hotel and Marina.

Symposia/Workshops

Thursday, July 7

1:30 pm – 5:00 pm **AES**
Age and growth of chondrichthyian fishes: new methods, techniques, and analyses
Organizers: **John K. Carlson, Kenneth J. Goldman**
Salon VI

Friday, July 8

10:00 am - 12:00 pm **AES**
Age and growth of chondrichthyian fishes: new methods, techniques, and analyses
Organizers: **John K. Carlson, Kenneth J. Goldman**
Salon VI

10:00 am – 4:30 pm **ASIH**
Interrelationships of Fishes III: towards a synthesis of morphology and molecules
Organizer: **Guillermo Orti**
Salon IV

1:30 - 5:00 pm **Amphibia Tree Workshop**
Meeting Room 8

Sunday, July 10

8:00 am - 12:00 pm **ASIH**
Evolution and Ecology of the Centrarchidae
Organizers: **Peter Wainwright, Tom Near, Dan Bolnick**
Salon V

Monday, July 11

8:00 am – 4:30 pm **ASIH**
A New Generation of Research on Amphibian Declines
Organizers: **Ana Carnaval, Stephen Richter**
Salon AB

8:00 am - 5:00 pm **HL**
Introduced Amphibian and Reptile Research: From Case Studies to Solutions
Organizer: **Todd Campbell**
Salon GH

8:00 am – 5:00 pm **SSAR**
The Biology of Boas, Pythons, and Related Taxa
Organizers: **Bob Henderson, Bob Powell, Gordon Schuett**
Salon CD

Graduate Student Workshops

Thursday, July 7

12:00 – 2:00 pm

HL Graduate Student Workshop

How to Get a Job — A short discussion for graduate students

Meeting Room 8

(No lunch served)

Sometimes the job search that follows graduation is a neglected part of a graduate student's education. In this workshop, speakers from various fields, including museums, private consultants, government employees, and academics, will give tips on the job search. This includes not only their experiences in their job search but also from their experience on hiring committees. The thrust of the workshop is to provide graduate students with some tips and suggestions on their upcoming job searches.

Organizers: Mike Lannoo and Brian Smith

Saturday, July 9

12:00 – 1:30 pm

AES Graduate Student Workshop

The Role of Shark Biologists Across Academia, State and Federal Agencies

Salon VI

(No lunch served)

The 2005 AES Student Workshop will focus on the role of elasmobranch biologists/scientists across academia, private institutions, federal research labs, and federal and state management agencies. The workshop will be an open forum with several working shark biologists/managers each briefly introducing their respective job descriptions and then a discussion on the role of such jobs. This will give working scientists and graduate students an opportunity to discuss the skills and techniques important to professional research and management and the potential areas of future work for new graduates or post-docs.

Organizer: **Jason Blackburn**

Sunday, July 10

12:00 – 1:30 pm

ASIH Graduate Student Workshop

Getting your foot in the Door: How to publish in your society's journal
Meeting Room 8
(No lunch served)

The ASIH Graduate Student Participation Committee will host the editors of Copeia, The Journal of Herpetology and Herpetologica for presentations on the scope of and submission procedure for each of these journals. Their presentations will be followed by a question and answer session. This is your best chance to have all of your questions about publishing answered by the people responsible for making the decisions. There is no charge for this workshop. Graduate students only, please.
Organizer: **Nick Lang**

Special Presentations

Wednesday, July 6

7:30 - 10:00 pm

President's Travelogue

From Tropical Drylands to Forest: Amphibians and Reptiles of Brazil

Presenters: Laurie J. Vitt and Janalee P. Caldwell

Salons G-J

Social Events

Informal No-Host Social

Wednesday, July 6

7:00 pm **Marriott Waterside Hotel - Lobby Bar and Champions**

All meeting participants wearing their meeting name badge will receive a \$1 discount on their drinks in the hotel through the week!

Graduate Student Reception

Thursday, July 7

6:00 – 7:00 pm **The Florida Aquarium**

This event precedes the general reception and is free of charge to all registered students of the Joint Meeting. Food and cash bar, with two drink tickets for wine, beer, and soft drinks, are included. The Aquarium is only a short 10-minute walk (0.6 miles) from the Marriott. For those needing assistance to reach the Aquarium, a free shuttle bus to and from the aquarium will be available. The first bus will depart the hotel at approximately 5:45 pm and will run continuously until 7:30 pm. After the general reception, buses will depart from the Florida Aquarium at 9:00 pm. One bus will run to YBOR City at that time for drop off only. If you plan on going to YBOR City after the reception, you must find your own transportation back to the hotel. In addition, a historic trolley, costing approximately \$1.50, runs the short distance from the hotel to the Aquarium.

General Reception

Thursday, July 7

7:00 - 9:00 pm **The Florida Aquarium**

The General Reception is open to all registrants. Food and cash bar, with 2 drink tickets for wine, beer, and soft drinks only, are included. The Aquarium is only a short 10-minute walk (0.6 miles) from the Marriott. For those needing assistance to reach the Aquarium, a free shuttle bus to and from the aquarium will be available. The first bus will depart the hotel at approximately 6:00 pm and will run continuously until 7:30 pm. After the general reception, buses will depart from the Florida Aquarium at 9:00 pm. One bus will run to YBOR at that time for drop off only. If you plan on going to YBOR City after the reception, you must find your own transportation back to the hotel. In addition, a historic trolley, costing approximately \$1.50, runs the short distance from the hotel to the Aquarium.

Picnic

Saturday, July 9

7:00 – 10:00 pm **Lowry Park Zoo**

Be sure to bring your ticket for admission! This ticket will include 2 drink tickets good for beer and sodas only. Please provide the picnic ticket to the servers when you start through the buffet lines. Be sure to remove your drink tickets first!

Round trip transportation will be provided. Buses will be ready to board at 6:00 pm outside the front entrance of the Marriott. Buses will depart as they become full, with the last bus leaving at precisely 6:30 pm. If you miss the bus, you must find your own transportation to the zoo. Buses will depart from the zoo to return to the Marriott at 10:00 pm.

Joint Meeting Banquet
Monday, July 11

6:00 – 10:00 pm **Marriott Waterside Hotel, Salon EF**

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

Tampa Excursions (By pre-purchased ticket only)

Day	Trip	Transportation Information/Bus Schedule
Friday, July 8	North DeSoto Beach	Departs Marriott at 12:00 pm Departs North DeSoto Beach at 4:30 pm Returns to Marriott at 5:00 pm
Saturday, July 9	Canoeing on the Hillsborough River	Departs Marriott at 10:30 am Departs Hillsborough River at 3:00 pm Returns to Marriott at 3:30 pm
Sunday, July 10	Salvadore Dali Museum	Departs Marriott at 1:00 pm Departs Museum at 4:30 pm Returns to Marriott at 5:00 pm
Monday, July 11	Busch Gardens/Adventure Island	Departs Marriott at 9:00 am Departs Busch Gardens at 4:15 pm Departs Adventure Island at 4:30 pm Returns to Marriott at 5:00 pm

Please arrive to board the bus 15 minutes before departure time. Be sure to check-in with the host volunteer. The bus leaves at precisely the time indicated. There are no refunds if you miss the bus.

Group Photographs

Joint Meeting and AES photographs will be taken immediately following the Plenary Session on Thursday, July 7. If you pre-ordered photographs, you may pick them up in the registration area on Friday, July 8. If you did not pre-purchase photos, you may purchase them directly from the photographer on Thursday, and will be available to pick up on Friday.

Student Awards

ASIH Stoye and Storer

Awards and certificates will be presented at the Monday evening banquet. Any winners not present will receive both by mail after the meeting.

ASIH Graduate Student Travel Awards

Award recipients will receive their checks after working three hours in the book raffle booth.

AES - Carrier and Gruber

Awards will be presented at the AES banquet on Sunday evening. If an award winner is not present at the banquet, awards will be mailed.

HL - Robert G. Jaeger Student Award

The finalists for the competition will be announced at the HL Business Meeting on Friday, July 8. The final award is announced at the Monday evening banquet. If the competition winner is not present at the banquet, arrangements will be made to get the award to the winner.

SSAR Henri Seibert Awards

Announcement of winners will be made at the SSAR Business Meeting on Saturday, July 10.

Student Travel Awards

Travel award winners have been notified. Awards will be presented at the live auction on Sunday, July 11. If award winners will not be at the auction, awards should be picked up from Kris Raymond.

Southeastern Division ASIH, Travel Support Awards

Recipients must be present at the business meeting on Monday, July 11 to pick up their award.

Southeastern Division ASIH, Outstanding Student Paper Awards

Society Fundraiser

SSAR/HL Live Auction

Sunday, July 10

9:00 pm – midnight **Salon IV, V, VI**

A limited number of drink tickets will be available at the live auction. Cash bar will be available throughout the evening.

Live Auction Item Viewing:

Meeting Room 4

Thursday, July 7

8:00 am – 5:00 pm

Friday, July 8 - Sunday, July 10

8:00 am – 6:00 pm

Graduate Student Fund Raisers

Be sure to support the graduate students by visiting the following fundraising activities:

SSAR Frameable Art Silent Auction

Meeting Room 3

Items will be available for viewing and bidding beginning Thursday, July 7, 8:00 am. The auction closes Sunday, July 10, at 5:00 pm.

ASIH Graduate Student Travel Award—Book Raffle

Grand Ballroom Foyer

Tickets may be purchased beginning Thursday, July 7. Raffle is Sunday evening. Prizes will be awarded Monday, July 11.

Graduate Student Reprint and Book Scavenge

Meeting Room 7

Friday, July 8 – Monday, July 11

Items will be available for pick up starting at 8:00 a.m., Friday, July 8, and will remain on display until Monday, July, 11 at 5:00 pm, or until supplies are depleted.

Oral Presentations

Schedule current as of May 27. Please refer to your *at-a-glance schedule* and posted schedule for changes received after May 27.

*Indicates Presenter

Thursday, July 7, Salon IV-VI

Plenary Session: Introductions and Distinguished Lectures

9:00 AM	HENRY R. MUSHINSKY AND PHILLIP J. MOTTA	Call to Order
9:10 AM	DR. RENU KHATOR, PROVOST, UNIVERSITY OF SOUTH FLORIDA	Welcome
9:20 AM	DR. PATRICK GREGORY, IMMEDIATE PAST PRESIDENT, ASIH	Natural History Mysteries: Drama and Misadventure in the Lives of Snakes
10:10 AM	DR. ROY MCDIARMID, THE HERPETOLOGISTS' LEAGUE DISTINGUISHED HERPETOLOGIST	Mystery, Motivation, and Science: A Herpetologists Perspective
11:00 AM	MS. SONJA V. FORDHAM, AMERICAN ELASMOBRANCH SOCIETY	Elasmobranch Conservation in the 21 st Century: Milestones, Outlook, and the Role of Scientists
11:30 AM		Group Photograph

Thursday, July 7, Salon AB

Seibert Conservation

Moderator: Carol Spencer

1:45 PM	*BELL, KRISTEN E.; DONNELLY, MAUREEN A.	Influence of forest fragmentation on community structure of frogs and lizards in lowland Costa Rica
2:00 PM	*KRIGER, KERRY M.; HINES, HARRY B.; HERO, JEAN-MARC	Techniques for detecting chytridiomycosis in wild frogs: comparing histological with Real-time Taqman PCR
2:15PM	*OWEN, JENNIFER; PERRY, GAD	Effects of the invasive Cuban tree frog in the British Virgin Islands.
2:30 PM	*TODD, BRIAN D.; ROTHERMEL, BETSIE B.; GIBBONS, WHIT	Forest clearing reduces growth and survival of recently metamorphosed southern toads (<i>Bufo terrestris</i>)
2:45 PM	*LIPPS, GREGORY J.; ROOT, KAREN V.	A framework for predicting the occurrence of rare amphibians: Case study of the green salamander
3:00 PM	BREAK	
3:15 PM		
3:30 PM	*SAGE, JOSEPH R.; KINGSBURY, BRUCE A.	Massasauga rattlesnake responses to a large scale habitat restoration project: results from a spatial ecology and habitat utilization study.
3:45 PM	KAPFER, JOSHUA M.	The Ecology of Bullsnares in Upper Midwestern prairies

4:00 PM	*MANSFIELD, KATHERINE L.; MUSICK, JOHN A.	Sea Turtle Surfacing Behavior and Aerial Census: How Seasonal 'Sightability' Affects Juvenile Density Estimates in Virginia
4:15 PM	ROKETENETZ, LARA D.	Predictive ecological habitat models for the distribution and conservation of <i>Clemmys guttata</i>
4:30 PM	*NOEL, KRISTA; QUALLS, CARL	Low hatching success of gopher tortoise eggs in Mississippi is due to egg quality and the nest environment

Thursday, July 7, Salon CD

Turtle Conservation and Ecology

Moderator: Dawn Wilson

1:30 PM	MOORE, MEGAN; *SEIGEL, RICHARD A.	Effects of human disturbance on the nesting and basking habits of yellow-blotched map turtles (<i>Graptemys flavimaculata</i>)
1:45 PM	*MULLIN, ZACH; MUNSCHEER, ERIC; BUTLER, JOSEPH	Affects of raccoon (<i>Procyon lotor</i>) removal on survivorship of diamondback terrapin (<i>Malaclemys terrapin</i>) nests in northeastern Florida.
2:00 PM	*BUTLER, JOSEPH A.; HEINRICH, GEORGE L.	Effectiveness of Bycatch Reduction Devices on Crab Pots at Reducing Diamondback Terrapin Capture and Mortality
2:15 PM	*NAZDROWICZ, NATHAN H.; BOWMAN, JACOB L.	Population ecology of the eastern box turtle in a fragmented landscape
2:30 PM	*ROE, JOHN H; BRINTON, ALICIA C.	The secret terrestrial life of an Australian freshwater turtle, <i>Chelodina longicollis</i> : conservation implications for aquatic reptiles
2:45 PM	*WALTHER, TINA R.; SEIGEL, RICHARD A.	Turtles versus Ducks: Effects of a Wetlands Drawdown on the Population Structure of Aquatic Turtles.
3:00 PM	BREAK	
3:15 PM		
3:30 PM	*WILSON, THOMAS P.; KING, TIM L.; CALLAHAN, COLLEEN; MAUGER, DAVID	Conservation genetics of the spotted turtle (<i>Clemmys guttata</i>) at the western range limit: Management Implications
3:45 PM	*KELLER, CHERIE A.; MCCOY, EARL D.; MUSHINSKY, HENRY R.	Modeling and mapping occupancy probabilities by gopher tortoise in Florida upland habitats
4:00 PM	DINSMORE, ABIGAIL; *CRABILL, TRISHA L.; GUYER, CRAIG; MCDEARMAN, WILL; SEIGEL, RICHARD A.	An Experimental Relocation of Gopher Tortoises (<i>Gopherus polyphemus</i>): Does penning length affect relocation success?
4:15 PM	BEAUMAN, RICHARD L.	Factors Affecting Degree of Burrow Collapse and Resulting Tortoise Self Excavation and Behavior
4:30 PM	*ATTUM, OMAR; BAHA EL DIN, SHERIF; SWEIRKI, SULIMAN H.; KINGSBURY, BRUCE	Egyptian tortoise conservation: a field research program developed from a study on a semi-captive population
4:45 PM	*BURKE, RUSSELL L.; ASHTON, KYLE G.	Status of a relocated Gopher Tortoise population: One generation later
5:00 PM	*KINLAW, AL; CONYERS, LAWRENCE	First images of gopher tortoise (<i>Gopherus polyphemus</i>) burrows using ground penetrating radar

Thursday, July 7, Salon GH
Herp Biogeography

Moderator: Guarino Colli

1:30 PM	*COLLI, GUARINO R.; CONSTANTINO, REGINALDO; COSTA, GABRIEL C.	Lizards and termites revisited
1:45 PM	SMITH, M. ALEX; *GREEN, DAVID M.	Complex Phylogeography of Fowler's Toad, <i>Bufo fowleri</i> , at its Northern Range Limit
2:00 PM	*SANTOS, JUAN C.; COLOMA, LUIS A.; CALDWELL, JANALEE P.; SUMMERS, KYLE; CANNATELLA, DAVID C.	Biogeography of the Poison Frogs (Anura: Dendrobatidae)
2:15 PM	*ELMER, KATHRYN R.; DÁVILA, JOSE A.; COLOMA, LUIS A.; LOUGHEED, STEPHEN C.	Genetic differentiation with and among river basins in an upper-Amazonian leaf litter frog
2:30 PM	*AUSTIN, JAMES D.; LOUGHEED, STEPHEN C.; MONTGOMERIE, ROBERT D.; ZAMUDIO, KELLY R.	Phenotypic and genetic divergence among disparate mtDNA lineages of spring peepers (<i>Pseudacris crucifer</i>)
2:45 PM	BREY, STACEY V.	Behavior, census and distribution of freshwater turtles in Golden Gate Park lakes
3:00 PM	BREAK	
3:15 PM		
3:30 PM	*GIERMAKOWSKI, J TOMASZ; GIUGGIOLI, LUCA; SNELL, HOWARD L.	Modeling fine-scale distribution of Galapagos tortoises by integrating data across time and space
3:45 PM	*KARNS, DARYL R.; SUDDETH, JERRY S.; MURPHY, JOHN C.; VORIS, HAROLD K.	Geographic variation in community composition and morphological characteristics of aquatic snakes in central Thailand
4:00 PM	*HARRISON, A.S.; HICE, C.L.;	Patterns in the herpetological diversity of Lowland Neotropical Rainforest: A macroecological perspective.
4:15 PM	BROWN, J.H. LAURENCIO, DAVID	Ecological correlates to amphibian and reptile diversity among sites in Costa Rica
4:30 PM	SMITH, MATTHEW T.	Head shape variation between sexes and geographic regions in the Prairie Rattlesnake (<i>Crotalus v. viridis</i>)
4:45 PM	*KOZAK, KENNETH H.; BLAINE, RUSSELL A.; LARSON, A.	Gene trees corroborate the geological history of North American drainage basins

Thursday, July 7, Salon IJ
Fish Systematics I

Moderator: Richard Broughton

1:30 PM	*WILLINK, PHILLIP W.;	Why species do not exist, and why we so desperately want species to exist
	WILLINK, JONATHAN P.	
1:45 PM	CASHNER, MOLLIE F.	Symbiotic reproduction in minnows: initial investigation of relationships among <i>Hydrophlox</i>

2:00 PM	*BUFALINO, ANGELO P.; MAYDEN, RICHARD L.	Phylogenetic Relationships of North American Phoxinins (Actinopterygii: Cyprinidae) As Evidenced by the S7 and Rag1 nuclear sequences.
2:15 PM	BROUGHTON, RICHARD E.	Molecular phylogeny of cyprinid fishes in the genus <i>Cyprinella</i> from southwestern North America
2:30 PM	AGUIRRE, WINDSOR E.	The evolutionary trajectory of a recently established Alaskan threespine stickleback population
2:45 PM	*HARRIS, PHILLIP; MAYDEN, RICHARD L.	Phylogenetic relationships of the tribe Moxostomatini (Catostomidae) based on nuclear S7 ribosomal protein gene sequences
3:00 PM	BREAK	
3:15 PM		
3:30 PM	HARRINGTON, RICHARD C.	Diet diversity in the adaptive radiation of darters.
3:45 PM	DEVANEY, SHANNON C.	A molecular approach to stomiiform phylogenetics.
4:00 PM	LANG, NICHOLAS J.; *KUHAJDA, BERNARD R.; SHAH, ANKOOR; MAYDEN, RICHARD L.	Systematics and phylogeography of members of the <i>Etheostoma asprigene</i> species group (Percidae: Subgenus <i>Oligocephalus</i>)
4:15 PM	KENALEY, CHRISTOPHER P.	Stomiids Without Barbels III: Materials Toward a Revision of the Stop-light Loosejaw Genus <i>Malacosteus</i> (Stomiidae: Malacosteinae)
4:30 PM	RODRIGUEZ-PEÑA, CARLOS MI.	Female Urogenital Region and Male Ligastyle in the Phylogeny of Poeciliinae
4:45 PM	LANDIM, M. I.	The genus <i>Retroculus</i> Eigenmann and Bray: rediagnosis, monophyly and intrarelationships.
5:00 PM	BELL, MICHAEL A.	Development and evolution of lateral plate position in threespine stickleback: developmental constraint or natural selection?

Thursday, July 7, Salon IV

Fish Ecology I

Moderator: Stephen Bortone

1:30 PM	*DAILEY, WILLIAM; LANDRY, ANDRE M.	Recruitment dynamics and habitat assessment of young-of-the-year black drum, <i>Pogonias cromis</i> Linnaeus, in Texas bay systems
1:45 PM	REMINGTON, RACHAEL K.	Are minnows muddled in murky waters? Effects of turbidity on growth of three <i>Notropis</i> species
2:00 PM	*RANDALL, MICHAEL T.; SULAK, KENNETH J.	Relationship between recruitment of Gulf sturgeon and water flow in the Suwannee River, FL, USA
2:15 PM	*SIMMONS, JEFFREY W.; LAYZER, JAMES B.	Population structure and stability of the bluemask darter, <i>Etheostoma (Doration)</i> sp.
2:30 PM	*KHUDAMRONGSAWAT, JENJIT; KUHAJDA, BERNARD R.; ARRINGTON, D. ALBREY	Life Histories of the Endangered <i>Etheostoma chermocki</i> and its Sister Species, <i>E. bellator</i> Endemic to the Black Warrior River System
2:45 PM	*BORTONE, STEPHEN A.; MARTIGNETTE, A. J.; SPINELLI, JUSTIN	Growth in spotted seatrout (Sciaenidae) as an indicator of estuarine conditions in the southeastern U.S.

3:00 PM	BREAK	
3:15 PM		
3:30 PM	FORSGREN, KRISTY L.	Early life history, growth, and reproduction of weedy sea dragons, <i>Phyllopteryx taeniolatus</i>
3:45 PM	LOPEZ-FERNANDEZ, HERNAN	A preliminary study of life history and mouthbrooding evolution in Neotropical geophagine cichlids
4:00 PM	WILSON, JACQUELINE A.	Age class interactions in a marine goby, <i>Elacatinus prochilos</i>
4:15 PM	HILBER, SAMANTHA A.	Egg Size through Successive Spawns in the Convict Cichlid
4:30 PM	O'CONNELL, MARTIN T.	Estuarine habitats as possible corridors for the dispersal of freshwater invasive fishes
4:45 PM	*MCRAE, MARK G.; FITZSIMONS, J. MICHAEL	Seaward migration of larval anadromous gobies in Hawaii: temporal patterns and conservation implications.
5:00 PM	*HARLIN-COGNATO, APRIL D.; HOFFMAN, ERIC A.; JONES, ADAM G.	Brood pouch genomics: Novel gene function associated with male pregnancy in pipefishes and seahorses (Syngnathidae)
5:15 PM	*PAUERS, MICHAEL J.; MCKINNON, JEFFREY S.; EHLINGER, TIMOTHY J.	Directional sexual selection on chroma and within-pattern color contrast in <i>Labeotropheus fuelleborni</i>

Thursday, July 7, Salon V

Fish Genetics

Moderator: Marlis Douglas

1:30 PM	*DOUGLAS, MARLIS R.; HOPKEN, MATT W.; DOUGLAS, MICHAEL E.; HUYVAERT, KATE P.	Introgressive Hybridization and Purity Assessment of Rio Grande Cutthroat Trout (<i>Oncorhynchus clarki virginalis</i>) Populations
1:45 PM	HOLLINGSWORTH, PHILLIP R.	Within drainage speciation and microendemism in darters (Etheostomatinae)
2:00 PM	*RALEY, MORGAN E.; STARNES, WAYNE C.; HOGUE, GABRIELA M.; ROBINSON, HENRY W.	Evidence of extensive mitochondrial introgression in the Redfin Shiner, <i>Lythrurus umbratilis</i>
2:15 PM	UNMACK, PETER J.	Extensive introgression in Australian rainbowfishes: identification, patterns, implications, and misleading phylogenetic influence
2:30 PM	*SWITZER, JOHN F.; WELSH, STUART A.; KING, TIM L.	A molecular genetic investigation of hybridization between <i>Etheostoma osburni</i> and <i>Etheostoma variatum</i> in the New River drainage
2:45 PM	*HENNING, MARCY L.; SHIVJI, MAHMOOD S.	Streamlined genetic identification of ridgeback sharks for fisheries management and conservation
3:00 PM	BREAK	
3:15 PM		
3:30 PM	*GARRETT, DANIEL L.; HAUSER, LORENZ	The hybrid sole, <i>Inopsetta ischyra</i> (Jordan and Gilbert), hybrid or biological species?
3:45 PM	*ANDERSON, CHRISTOPHER J.; ROHDE, FRED C.; QUATTRO, JOSEPH M.	Genetic investigation into the origin of the waccamaw silverside <i>Menidia extensa</i>

4:00 PM	SMITH, WM. LEO	Evolution and relationships of venomous spiny-rayed fishes (Teleostei: Acanthomorpha)
4:15 PM	*OSWALD, KENNETH; FREEMAN, BUD; LEITNER, JEAN; BULAK, JAMES; BARWICK, HUGH; QUATTRO, JOSEPH	A DNA Investigation into the Origin of Saluda River <i>Micropterus coosae</i> : An Introduced or Native Population?
4:30 PM	*BART, HENRY L., JR.; CLEMENTS, MARK D.; BLANTON, REBECCA E., HURLEY, DAVID L.	Patterns of sequence variation in introns of the growth hormone gene in species of <i>Ictiobus</i> (Cypriniformes: Catostomidae)
4:45 PM	*BROWN, JOSHUA D.; NEILSON, MATTHEW D.; STEPIEN, CAROL A.	Population genetic structure of the Eurasian round goby invasion in the Great Lakes

Thursday, July 7, Salon VI

AES Cailliet Age & Growth Symposium Moderator: John Carlson

1:30 PM	INTRODUCTION	
1:45 PM	*CAILLIET, GREGOR M.; SMITH, WADE D.; MOLLET, HENRY F.; GOLDMAN, KENNETH J.	Chondrichthyan growth studies: an updated review, stressing terminology, sample size sufficiency, validation, and curve fitting
2:00 PM	MOLLET, HENRY F.	A review of age and growth, reproductive biology, and demography of the white shark, <i>Carcharodon carcharias</i>
2:15 PM	*ROMINE, JASON G.; GRUBBS, R. DEAN; MUSICK, JOHN A.; HOLLAND, KIM N.	Age and growth of the sandbar shark, <i>Carcharhinus plumbeus</i> , in Hawaii.
2:30 PM	*GOLDMAN, KENNETH J.; BRANSTETTER, STEVEN; MUSICK, JOHN A.	A re-examination of the age and growth of sand tiger sharks, <i>Carcharias taurus</i> , in the western North Atlantic
2:45 PM	*IRVINE, SARAH B; STEVENS, JOHN D.; LAURENSEN, LAURIE J.B.	Age, growth and maturity of <i>Etmopterus baxteri</i> (Squaliformes: Etmopteridae) from southeastern Australia.
3:00 PM	BREAK	
3:15 PM		
3:30 PM	*GALLAGHER, MICHAEL J.; NOLAN, CONOR P. NOLAN	The use of caudal thorns as ageing structures on the thorny skate <i>Amblyraja radiata</i>
3:45 PM	*SMITH, WADE D.; PEREZ, COLLEENA; EBERT, DAVID A.	Growth of the California skate, <i>Raja inornata</i> : assessment of multiple ageing structures and somatic growth models
4:00 PM	*CARLSON, JOHN K.; BAREMORE, IVY E.	Growth dynamics of the spinner shark, <i>Carcharhinus brevipinna</i> , off the United States Southeast and Gulf of Mexico coasts: a comparison of methods.
4:15 PM	*ARAYA, MIGUEL; CUBILLOS, LUIS A.	Elasmobranchs grow in length according to a two-phase growth model
4:30 PM	*CORTES, ENRIC; ARAYA, MIGUEL	Bayesian hierarchical meta-analysis of elasmobranch age and growth data
4:45 PM	*SIEGFRIED, KATE I.; SANSÓ, BRUNO	A Bayesian Approach to Estimating Asymptotic Size without Age Data

Friday, July 8, Salon AB
Seibert Evolution

Moderator: Aaron Bauer

8:00 AM	DEVITT, TOM	Phylogeography of a Ring Species: The <i>Ensatina eschscholtzii</i> Complex Revisited
8:15 AM	*AVOLIO, CARLA	Rough boys score better under the sea: why it pays male snakes to be rugose in an aquatic environment
8:30 AM	*FOX, ALICIA M.; ARCHIE, JAMES W.	Low genetic variability in <i>Sceloporus orcutti</i> using cross species amplification of microsatellite loci from <i>S. occidentalis</i> .
8:45 AM	MOEN, DANIEL S.	Cope's rule in cryptodiran turtles: Do extant species reflect a trend of phyletic size increase?
9:00 AM	*ROBINSON, JACE W.; KING, RICHARD B.; DUVALL, MELVIN R.; BURGHARDT, GORDON B.; CASPER, GARY S.; PLACYK JR., JOHN S.	Phylogeography of the northern watersnake, <i>Nerodia sipedon</i> , in the Great Lakes region
9:15 AM	*NAVA, IMELDA; TORRES, ELIZABETH; WAYNE, ROBERT K.	Molecular systematics of bioluminescent marine fishes of the genus <i>Porichthys</i> (Batrachoididae) and <i>P. notatus</i> genetic differentiation
9:30 AM	Break	

Friday, July 8, Salon AB
Seibert Morphology Physiology/Jaeger

Moderator: Christopher Sheil

10:00 AM	*SCALES, JEFFREY A.; BUTLER, MARGUERITE	Locomotion during pregnancy in <i>Iguana iguana</i>
10:15 AM	*ANDRES, DIANA L.; MACKIE, RODERICK I.; SECOR, STEPHEN M.; ESPINOZA, ROBERT E.	The grass is greener: costs of diet switching may inhibit insect eating by herbivorous lizards
10:30 AM	*QUAMMEN, JENNIFER K.; DURTSCHKE, RICHARD D.	Digestive Enzyme Activities in Anuran Tadpoles Under Varying Food Conditions
10:45 AM	TULENKO, FRANK	Developmental Morphology of the Crista Sellaris in <i>Trachemys scripta</i>
11:00 AM	*GRAHAM, SEAN; GROBER, MATTHEW S.; SCHUETT, GORDON	Seasonal timing of the mating period in cottonmouths (<i>Agkistrodon piscivorus</i>): evidence from sex steroids, urogenital tract histology, and male sexual behavior.
11:15 AM	GUNZBURGER, MARGARET S.	The relative roles of predation and competition in the habitat distribution of two sister taxa of Hylid treefrogs
11:30 AM	WALDRON, JAYME L.	Home range, movement patterns, and seasonal variation in habitat selection by Canebrake Rattlesnakes (<i>Crotalus horridus</i>) in South Carolina
11:45 AM	WINDEL, NATHAN L.	Behavioral and metabolic responses of southern red-backed salamanders to predatory stimuli: influence of body size

Friday, July 8, Salon CD
Herp Conservation

Moderator: Cristina Ugarte

8:00 AM	*YOUNG, BRUCE E.; STUART, SIMON N.; CHANSON, JANICE S.; COX, NEIL A.; BOUCHER, TIMOTHY M.	The conservation status of New World amphibians
8:15 AM	*LIPS, K. R.; BREM, F.; BRENES, R.; REEVE, J. D.; ALFORD, R. A.; VOYLES, J.; CAREY, C.; COLLINS, J. P.	Infectious disease and global biodiversity loss: pathogens and enigmatic amphibian extinctions
8:30 AM	*MENDELSON III, JOSEPH R.; LIPS, KAREN R.; GAGLIARDO, RONALD W.	Global Amphibian Extinctions and Policy Shift in Conservation Actions
8:45 AM	ORLOFSKE, SARAH A.	Reserva Amazonica, Peru: Amphibian population monitoring and ecotourism
9:00 AM	*MCCALLUM, M.L.; MCCALLUM, J.L.	The decline of natural history study in herpetology: An analysis of historical publication patterns in two herpetology journals
9:15 AM	*UGARTE, CRISTINA A.; BASS, ORON; MAZZOTTI, FRANK; RICE, KEN G.	American Alligator nesting effort and hatching success (1985-2004) in Everglades National Park using Systematic Reconnaissance Flights
9:30 AM	Break	
9:45 AM		
10:00 AM	*NELSON, DAVID H.; SCARDAMALIA-NELSON, CYNTHIA	Vertebrate road-kill survey of the Mobile-Bay Causeway
10:15 AM	SNODGRASS, JOEL W.	Implications of Wetland Landscape Modification Resulting from Storm Water Retention Ponds
10:30 AM	VICE, DIANE L.	Recovery of native lizards on a Micronesian atoll
10:45 AM	*LADUC, TRAVIS J.; BELL, CHRISTOPHER J.	Exploring temporal and spatial bias in museum collections: an example using the colubrid snake <i>Sonora semiannulata</i>
11:00 AM	*SPENCER, CAROL L.; TRUEB, LINDA; WAKE, DAVID B.	Use of HerpNET Data For Ecological Niche Modeling Research
11:15 AM	DELIS, PABLO R.	Between a rocket and a hard place: the herpetofauna of LEAD, south central Pennsylvania
11:30 AM	*DAVENPORT, JON M.; SCOTT, A. FLOYD	Herpetofauna of Fort Donelson National Battlefield, Stewart County, Tennessee: A Preliminary Report.

Friday, July 8, Salon GH
Herp Physiology

Moderator: Brian Witz

- 8:00 AM **DAVIS, MARK A.** Metabolism of atrazine by western chorus frogs (*Pseudachris triseriata*)
- 8:15 AM ***PAULY, GREGORY B.; BERNAL, XIMENA; RYAN, MICHAEL J.; RAND, A. STANLEY** The vocal sac increases call rate in the tungara frog, *Physalaemus pustulosus*
- 8:30 AM ***MCCALLUM, M.L.; JONES, L.; GOSSETT, D.R.; BANKS, S.W.** The effect of paraquat on the antioxidant defense system of the American Bullfrog (*Rana catesbeiana*)
- 8:45 AM ***PARKER, SCOTT L.; ANDREWS, ROBIN M.** Oviductal oxygen availability as a physiological constraint on the evolution of viviparity in phrynosomatid lizards
- 9:00 AM ***GAVIN, MARIA T.; WITZ, BRIAN W.** Macronutrient absorption efficiencies of the side-blotched lizard, *Uta stansburiana*, fed domestic crickets, *Acheta domestica*
- 9:15 AM ***HALSTEAD, NEAL; MOORE, ROBIN; MUSHINSKY, HENRY** Condition Indices in *Aspidoscelis sexlineata*: a Comparison of Methods

9:30 AM **BREAK**

Moderator: Mackessy

- 10:00 AM ***PETERSON, CHARLES C.; GOMEZ, DAISY** Buoyancy regulation in two species of freshwater turtles
- 10:15 AM ***READEL, ANNE M.; HOLBERTON, REBECCA L.; PHILLIPS, CHRISTOPHER A.** Effect of Trapping Density on the Physiological Stress of Slider Turtles (*Trachemys scripta*)
- 10:30 AM **MEHTA, RITA S.** Comparative Epaxial Motor Patterns in Snakes During Constriction
- 10:45 AM ***WHITE, SCOTT, E; SECOR, STEPHEN M.** Cardiac output and patterns of blood flow for the Burmese python
- 11:00 AM ***SASH, KIMBERLY J.; FISK, AARON T.; CARROLL, JOHN P.; PALMER, WILLIAM E.** A captive study to determine the kinetics of $\Delta^{13}\text{C}$ and $\Delta^{15}\text{N}$ in corn snakes (*Pantherophis gutatta*)
- 11:15 AM ***MACKESSY, STEPHEN P.; HEYBORNE, WILLIAM H.** Venoms among non-venomous snakes: biological roles of the venom of the Brown Treesnake
- 11:30 AM ***HEYBORNE, WILLIAM H.; MACKESSY, STEPHEN P.** Venom of the Brown Treesnake: biological role of irregulin, a CRiSP venom protein
- 11:45 AM **MOON, BRAD R.; *RABATSKY, ALI M.** Is there an optimal length for the rattlesnake rattle?

Friday, July 8, Salon IJ
Fish Conservation

Moderator: Howard Jelks

8:00 AM	*JELKS, HOWARD L.; JORDAN, FRANK; DORAZIO, ROBERT M.	Removal sampling of an endangered darter: advantages for estimating populations.
8:15 AM	*HABIT, EVELYN; BELK, MARK; TUCKFIELD, CARY; PARRA, OSCAR	Response of the fish community to human-induced changes in the middle-lower zone of the Biobio River (Chile)
8:30 AM	LONGENECKER, KEN	Ichthyology in the service of marine mammal conservation: foraging of the endangered Hawaiian monk seal inferred through high-resolution dietary analysis
8:45 AM	DARDEN, TANYA L.	Dispersal in Enneacanthini sunfishes: A test of wetland regulatory assumptions
9:00 AM	*HENDRICKSON, DEAN A.; BROOKS, JAMES E.; CAMARENA ROSALES, FAUSTINO; ESPINOSA-PÉREZ, HÉCTOR; FINDLEY, LLOYD T.; GARCÍA DE LEÓN, FRANCISCO; GEORGE, ANNA L.; KUHAJDA, BERNARD R.; MAYDEN, RICHARD L.; NEELY, DAVID A.; PROPST, DAVID L.; RUIZ-CAMPOS, GORGONIO;	Truchas Mexicanas: new discoveries and insights into diversity and conservation status of Mexico's native trouts
9:15 AM	*ALBANESE, BRETT; WEILER, DEBORAH; PETERSON, JAMES; FREEMAN, BYRON J.	Accounting for incomplete detection when estimating site occupancy of <i>Pteronotropis welaka</i> in southwest Georgia
9:30 AM	Break	
9:45 AM		
10:00 AM	BESSERT, MICHAEL L.	Conservation genetics in the genus <i>Cycleptus</i> (Catostomidae) based on mtDNA and microsatellite data
10:15 AM	*DAVIS, JUSTIN P.; SCHULTZ, ERIC T.	Population structure of anadromous alewife in Connecticut: historical and inter-location comparisons
10:30 AM	*KRABBENHOFT, TREVOR J.; COLLYER, MICHAEL L.; QUATTRO, JOSEPH M.	Conservation genetics of the pinewoods darter, <i>Etheostoma mariae</i> (Teleostei: Percidae)
10:45 AM	*SMILEY, PETER C., JR.; DIBBLE, ERIC D.; SCHOENHOLTZ, STEPHEN H.	Influence of forestry best management practices on fish communities in first-order streams in north-central Mississippi
11:00 AM	*STEWART, DONALD; SHELDON, ANDREW; COGLAN, STEPHEN; CARLSON, DOUGLAS	Fish community change in a Susquehanna headwater: Effects of predation and invasions
11:15 AM	*MATTHEWS, BILL; MARSH-MATTHEWS, EDIE	Do reservoirs alter fish communities in the creeks they drown?
11:30 AM	*MANDRAK, NICHOLAS E.; STATON, SHAWN K.	Identifying Conservation Hot Spots for Freshwater Species at Risk in Canada
11:45 AM	PANKE, BRENDON; *COCHRAN, PHILIP A.; ELLIOTT, ROBERT F.	Has Climate Change Affected the Spawning Chronology of the Lake Sturgeon (<i>Acipenser fulvescens</i>)?

Friday, July 8, Salon IV
Fish Physiology I

Moderator: Eric Schultz

8:00 AM	*SUTHERLAND, ANDREW B.; MEYER, JUDY L.; MAKI, JOANNE; VAUGHAN, VICKI	Effects of excessive sedimentation on the stress response, growth rate and gill condition of two southeastern upland minnows, the whitetail shiner (<i>Cyprinella galactura</i>) and spotfin chub (<i>Erimonax monachus</i>)
8:15 AM	*HEINS, DAVID C.; TOUPS, MELISSA A.; BAKER, JOHN A.	Nutrient theft by the cestode macroparasite <i>Schistocephalus</i> and clutch characteristics of threespine stickleback
8:30 AM	TOPPER, MICHELLE L.; HEINS, DAVID C.; *SCHULTZ, ERIC T.	Reproduction in parasitized female threespine stickleback: is the host getting the best or worst of a bad situation?
8:45 AM	*THOMAS, JESSIE C.; FOX, DEWAYNE A.; LEWBART, GREGORY A.	An evaluation of surgical closure techniques for retention of telemetry transmitters in American eels
9:00 AM	*JOHNSON, K.K.; LOWE, C.G.	Bioenergetics of kelp bass, <i>Paralabrax clathratus</i>
9:15 AM	*NEUMANN, DANIELLE; DICKSON, KATHRYN	Comparison of Digestive Enzyme Activities in Tunas and their Ectothermic Relatives
9:30 AM	Break	

Friday, July 8, Salon IV
Fish Relationships

Moderator: Guillermo Orti

10:00 AM	WILEY, E. O.	Progress and Prospects for Integrative Research on the Tree of Life of Fishes
10:15 AM	NAYLOR, GAVIN J.P.	Reconciling Phylogenies - Contrasting molecular and morphological phylogenies of sharks
10:30 AM	NAYLOR, GAVIN J.P.	Reconciling Phylogenies - Contrasting molecular and morphological phylogenies of sharks
10:45 AM	*ARRATIA, GLORIA; SCHULTZE, HANS-PETER	Controversies around basal actinopterygian relationships
11:00 AM	*CHEN, WEI-JEN; ORTI, GUILLERMO	A phylogenomic perspective on the relationships among basal actinopterygians
11:15 AM	*MAYDEN, RICHARD L.; LANG, NICHOLAS J.	Diversity and Evolution of Cypriniformes: Baseline Assessment For The Tree of Life Initiative (Teleostei: Ostariophysii)
11:30 AM	SULLIVAN, JOHN P.; *LUNDBERG, JOHN G.; HARDMAN, MICHAEL	Growing the Tree of Catfish Life in the Fertile Garden of ACSI
11:45 AM	LOPEZ, J. ANDRES	Sythesizing phylogenetic information from disparate sources of data: progress in basal euteleost relationships (?)

Friday, July 8, Salon V
Fish Ecology II

Moderator: Jeffrey Hill

8:00 AM	*ROSS, STEPHEN T.; SLACK, W. TODD; HEISE, RYAN J.; DUGO, MARK A.; BOWEN, BRYANT R.; MICKLE, PAUL; HEARD, RICHARD W.; ROGILLIO, HOWARD	Estuarine and coastal habitat use of Gulf Sturgeon (<i>Acipenser oxyrinchus desotoi</i>) in the north-central Gulf of Mexico
8:15 AM	MCGRATH, PATRICK E.	Site Fidelity and Tidal Movements of White Perch (<i>Morone americana</i>)
8:30 AM	RANDALL, JOHN E.; *LOBEL, PHILLIP S.; KENNEDY, CHRISTINE W.	Ecology of the Atlantic gobies <i>Nes longus</i> and <i>Ctenogobius saepepallens</i>
8:45 AM	*FLOETER, SERGIO R.; VÁZQUEZ, DIEGO P.; GRUTTER, ALEXANDRA S.	The macroecology of marine cleaning mutualisms
9:00 AM	*HILL, JEFFREY E.; WATSON, CRAIG A.	Diet of the Nonindigenous Asian Swamp Eel, <i>Monopterus albus</i> (Synbranchidae), in Tropical Ornamental Aquaculture Ponds in Florida
9:15 AM	*WINEMILLER, KIRK O.; MONTOYA, JOSE V.; ROELKE, DANIEL L.; LAYMAN, CRAIG A.; COTNER, JAMES B.	Seasonally varying impact of detritivorous fishes on benthic resources of a Neotropical floodplain river
9:30 AM	Break	
9:45 AM		
10:00 AM	*PETERSON, MARK S.; SLACK, W. TODD; WAGGY, GRETCHEN L.; WOODLEY, CHRISTA M.; PARTYKA, MELISSA L. GILLETTE, DAVID P.	Foraging in non-native environments: comparison of Nile tilapia and three co-occurring native centrarchids in invaded coastal Mississippi watersheds
10:15 AM		Effects of patch context on two species of invertivorous fishes in a riffle-pool stream
10:30 AM	*GRUBBS, R. DEAN; HOLLAND, KIM N.; ITANO, DAVID G.	Trophic ecology of young-of-year yellowfin tuna (<i>Thunnus albacares</i>) in Hawai'i
10:45 AM	*RICHERT, JOHN E.; CERVANTES-DUARTE, RAFAEL; GONZÁLEZ-ARMAS, ROGELIO; GALVÁN-MAGAÑA, FELIPE; KLIMELY, A. PETER	Spatio-temporal variability in the tropic ecology of large pelagic fishes in the southern Gulf of California
11:00 AM	SULAK, KENNETH J.	Stable Isotopes Reveal 2 Carbon Sources in N. Gulf of Mexico Deep Reef Fish Community
11:15 AM	TAYLOR, CHRISTOPHER M.	Long-term changes in Oklahoma prairie stream fish assemblages.
11:30 AM	*PYRON, MARK; LAUER, THOMAS; GAMMON, JAMES	Detecting effects of disturbance in the longterm fish assemblage of the Wabash River
11:45 AM	TURNER, JASON P.; O'CONNELL, MARTIN T.	Evaluating 50 years of anthropogenic impacts on an important Louisiana estuary using stable isotopes

Friday, July 8, Salon VI

AES Cailliet Age & Growth Symposium (cont.)

Moderator: Kenneth Goldman

8:15 AM	*LESSA, ROSANGELA; SANTANA, FRANCISCO M.	How inefficient has been Marginal Increment Analysis (MIA) for age validation of tropical shark species!
8:30 AM	NEER, JULIE A.	Incorporating variability in size at birth into growth models for elasmobranchs: Does it make a difference?
8:45 AM	*CAMPANA, STEVEN E.; JONES, CYNTHIA; MCFARLANE, G.A.; MYKLEVOLL, SIGMUND	Bomb dating and age determination of spiny dogfish
9:00 AM	*KERR, LISA A.; ANDREWS, ALLEN H.; CAILLIET, GREGOR M.; BROWN, THOMAS A.; COALE, KENNETH H.	Investigations of $\Delta^{14}\text{C}$, $\Delta^{13}\text{C}$, and $\Delta^{15}\text{N}$ in vertebrae of white shark (<i>Carcharodon carcharias</i>) from the eastern Pacific
9:15 AM	*ARDIZZONE, DANIELE; CAILLIET, GREGOR M.; NATANSON, LISA J.; ANDREWS, ALLEN H.; KERR, LISA A.; BROWN, THOMAS A.	APPLICATION OF BOMB RADIOCARBON CHRONOLOGIES TO SHORTFIN MAKO (<i>Isurus oxyrinchus</i>) AGE VALIDATION
9:30 AM	Break	
9:45 AM		
10:00 AM	*NATANSON, LISA J.; KOHLER, NANCY E.; ARDIZZONE, DANIELE; CAILLIET, GREGOR M.; WINTNER, SABINE; MOLLET, HENRY F.	Validated age estimates for the shortfin mako, <i>Isurus oxyrinchus</i> , in the North Atlantic Ocean
10:15 AM	*MCAULEY, RORY B.; SIMPFENDORFER, COLIN A.; CHIDLOW, JUSTIN A.; ALLISON, RICK A.; NEWMAN, STEPHEN J.; HYNDES, GLEN A.	Validated Age and Growth of the Sandbar Shark, <i>Carcharhinus plumbeus</i> , (Nardo, 1827) in Western Australian Waters
10:30 AM	*TANAKA, SHO; HAYASHI, TAKEHIRO; SATO, YOSHIO	Comparison between elemental microanalysis and traditional staining methods of growth zones in calcified structures of elasmobranchs
10:45 AM	*PIERCY, ANDREW; FORD, TRAVIS; KELLER, THOMAS; LEVY, LAURA; HENNESSY, KELLY; SNELSON, FRANKLIN	Analysis of variability in vertebral morphology and growth ring counts in two Carcharhinid sharks
11:00 AM	FRANCIS, MALCOLM P.	Morphometric minefields - towards a measurement standard for cartilaginous fishes
11:15 AM	DISCUSSION	

Friday, July 8, Salon AB
Seibert Ecology I

Moderator: Richard Wassersug

1:30 PM	*MEROVICH, CATHERINE E.; MALCOLM, STEPHEN B.	Ontogenetic variation in the bufadienolides of the toads, <i>Bufo americanus</i> and <i>Bufo fowleri</i>
1:45 PM	JOHNSON, JARRETT R.	The effects of inter-pond distance and matrix habitat on treefrog movements in a fragmented landscape
2:00 PM	*GROSS, KRISTINE S.; FAUTH, JOHN E.	Tree calls of three hylid treefrogs: environmental triggers of calling frequency
2:15 PM	*WADDLE, J. HARDIN; RICE, KENNETH G.; MAZZOTTI, FRANK J.	Movement and survival of treefrogs in four Everglades ecosystem habitats.
2:30 PM	*WHITFIELD, STEVEN M.; DONNELLY, MAUREEN A.	Community structure of a Costa Rican leaf-litter herpetofauna: prey use and seasonal activity
2:45 PM	BENARD, MICHAEL F.	Survival trade-offs between two predator-induced phenotypes in pacific treefrogs (<i>Pseudacris regilla</i>).
3:00 PM	*HILER, WAYLON R.; WHEELER, BENJAMIN A.; TRAUTH, STANLEY E.; CHRISTIAN, ALAN D.	Trophic Interactions and Abnormalities of a Species in Decline, the Ozark Hellbender (<i>Cryptobranchus alleganiensis bishopi</i>)
3:15 PM	*SMITH, DANNA B.; QUALLS, CARL	Habitat variation and herpetofaunal communities of the longleaf pine ecosystem in south Mississippi
3:30 PM	*WATLING, JAMES I.; DONNELLY, MAUREEN A.	Nested species subsets of amphibians and reptiles on forest islands in Bolivia
3:45 PM	HAWKES, VIRGIL C.	The effects of forestry management on the distribution and abundance of amphibians

Friday, July 8, Salon CD
Herp Systematics I

Moderator: Jane Melville

1:30 PM	*WOOTEN, JESSICA A.; RISSLER, LESLIE J.	Phylogenetic relationships of the black-bellied salamander, <i>Desmognathus quadramaculatus</i>
1:45 PM	*BENDIK, NATHAN F.; CHIPPINDALE, PAUL T.; GLUESENKAMP, ANDREW G.	Rapid radiation in central Texas neotenic salamanders and the systematic status of the Comal blind salamander, <i>Eurycea tridentifera</i>
2:00 PM	SCHAFFER, CHUCK	The Evolution of Chelonian Images: A Historical Perspective.
2:15 PM	RASTEGAR-POUYANI, NASRULLAH	Systematics of the <i>Laudakia caucasia</i> Species Complex (Sauria: Agamidae): A Multivariate Approach
2:30 PM	*MELVILLE, JANE E.; AUSTIN, JEREMY J.	Australian Agamid Lizards: an insight into evolutionary relationships and ecological diversification within Amphibolurinae.
2:45 PM	*TOWNSEND, TED; VENCES, MIGUEL	Molecular phylogenetics of Malagasy leaf chameleons (genus <i>Brookesia</i>)
3:00 PM	BAUER, AARON M.	An Eocene gecko in Baltic amber: Implications for gekkotan evolution

- 3:15 PM ***BONETT, RONALD M.; MOLER, PAUL; VAN DEVENDER, R. WAYNE; VIEITES, DAVID R.; CHIPPINDALE, PAUL C.** Biogeography and evolution of body size and toe number in the salamanders of the family Amphiumidae.
- 3:30 PM ***LEHR, EDGAR; TRUEB, LINDA** Diversity among montane New World microhylids (Anura: Microhylidae)

Friday, July 8, Salon GH

Herp Endocrinology & Morphology

Moderator: Mary Mendonca

- 1:30 PM ***MENDONCA, M.T.; WARD, C.K.** Latitudinal differences in stress responsiveness in anurans: preliminary evidence
- 1:45 PM ***SEVER, DAVID M.; HOPKINS, WILLIAM A.** Renal Sexual Segment of the Ground Skink, *Scincella laterale*
- 2:00 PM **STROUD, ERIC M.** Methods for Detecting *B. marinus* Sex Pheromones
- 2:15 PM ***MEERS, MASON; FISHER, LAURA; SMITH, DUSTIN; WORRELL, MICHAEL; COLE, THEODORE M. III** Diet and Three-Dimensional Morphology: An Experimental Analysis of Carapace Form in the Yellow Spotted Amazon River Turtle (*Podocnemis unifilis*).
- 2:30 PM ***KELLY, SHANNON M.; ROWE, CHRISTOPHER L.; BAKER, JOEL E.; MITCHELMORE, CARYS L.** Polychlorinated biphenyls (PCBs) in snapping turtles of the Hudson River Superfund Site: Maternal transfer dynamics and adult endocrine effects
- 2:45 PM **LIGON, DAY B.** Conservation implications of incubation temperature for alligator snapping turtles (*Macrochelys temminckii*)
- 3:00 PM ***MADAD, ASMA Z.; BURKE, RUSSELL L.; WIDRIG, AMANDA L.; VALENZUELA, NICOLE** Application of Geometric Morphometric Sex Identification Techniques to Diamondback Terrapin Hatchlings
- 3:15 PM **KAHN, PAULA F.** Moving Jitters: The relationship between relocation and stress in gopher tortoises (*Gopherus polyphemus*)
- 3:30 PM **PETERSON, JOHN D.** Growth effects of heavy metals and chytridiomycosis exposure during development and metamorphosis in *Rana sphenocephala*
- 3:45 PM **RODRIGUEZ, DAVID** Multiple paternity in the American crocodile (*Crocodylus acutus*): A survey from Turkey Point Power Plant

Friday, July 8, Salon IJ

Fish Morphology 1

Moderator: Rose Carlson

- 1:30 PM **COOPER, W. JAMES** The Evolution of Feeding Biomechanics in Damsel-fishes
- 1:45 PM **GIDMARK, NICHOLAS J.** Comparative evolution and variation of trophic morphology among and within two clades of North American cyprinids (Actinopterygii: Ostariophysi)
- 2:00 PM ***CARLSON, ROSE L.; WAINWRIGHT, PETER C.; NEAR, THOMAS J.** Micro-sympatry correlates with rate of morphological evolution in darter fishes (Teleostei: Percidae).

2:15 PM	BASKIN, JONATHAN N.	Seeking Caecae: Loss of Pyloric Caecae - A Siluriform Gut Synapomorphy Associated with an Animal Diet.
2:30 PM	*GRIER, HARRY J.; WATERS, YVONNE; URIBE, MARI CARMEN; DE LA ROSA, GABINO; MEIJIDE, FERNANDO; GRASSIOTO, IRANI; LO NOSTRO, FABIANA; PARENTI, LYNNE R.	Attachment of Follicles to the Ovarian Germinal Epithelium in Teleost Fishes.
2:45 PM	HUIZINGA, MERIBETH	Trophic divergence in sympatric populations of the Gold-breast Splitfin, <i>Ilyodon furcoides</i>
3:00 PM	*HILTON, ERIC J.; JOHNSON, G. D.	Developmental osteology of the caudal skeleton of <i>Caranx crysos</i> , with comparisons to other Carangidae
3:15 PM	*JACINTO, REYNIER D.; NAGEL, LUKE; PATEK, SHEILA N.; SUMMERS, ADAM P.	Having an open mind: the unique anatomy of the Rockhead Poacher.
3:30 PM	JAVONILLO, ROBERT	Histological characters in the systematics of glandulocaudine fishes (Teleostei: Characidae)
3:45 PM	*CLARK, ANDREW J.; SUMMERS, ADAM P.	Feeding kinematics and functional morphology of the feeding apparatus of the hagfish (Myxinidae)

Friday, July 8, Salon IV
Fish Relationships

Moderator: Guillermo Orti

1:30 PM	*HOLCROFT, NANCY I.; WILEY, E. O.	Lampridiform interrelationships revisited and a new gene for teleost phylogenetics
1:45 PM	HRBEK, TOMAS	Phylogeny of Cyprinodontiformes based on combined analysis of molecular and morphological characters
2:00 PM	*COLLETTE, BRUCE B.; MCDOWELL, JAN R.	Phylogeny of Recent billfishes (Xiphoidei)
2:15 PM	WESTNEAT, MARK W.	Labroid phylogeny and the search for perciform relatives using outgroup jackknifing
2:30 PM	LI, BLAISE; *LECOINTRE, GUILLAUME	Shaking the acanthomorph Tree
2:45 PM	*MIYA, MASAKI; NISHIDA, MUTSUMI	Phylogeny of the ray-finned fish (Actinopterygii): Analysis of 336 whole mitochondrial genome sequences

3:00 PM	*ORTI, GUILLERMO; CHEN, WEI-JEN; MAHON, ANDREW R.; HOLCROFT BENSON, NANCY; UNMACK, PETER; RÜBER, LUKAS; BUFALINO, ANGELO; ROE, KEVIN J.; IBAZETA, GUSTAVO; LOPEZ, J. ANDRES; HRBEK, TOMAS; SULLIVAN, JOHN P.; LUNDBERG, JOHN G.; HARDMAN, MICHAEL; WESTNEAT, MARK W.; CARPENTER, KENT; ZARDOYA, RAFAEL; MAYDEN, RICHARD; WILEY, ED; MIYA, MASAKI	Phylogeny of the ray-finned fish (Actinopterygii): Analysis more than 500 RAG-1 exon 3 sequences
3:15 PM	JOHNSON, G. DAVID	Ontogeny and phylogenetic systematics: an old frontier, waiting
3:30 PM	JOHNSON, G. DAVID	Ontogeny and phylogenetic systematics: an old frontier, waiting
3:45 PM	*DETTAI, AGNES; LECOINTRE, GUILLAUME	Metacanthomorpha, a phylogeny-oriented database for acanthomorph morphology
4:00 PM	HUMPHRIES, JULIAN M.	A Phyloinformatics Infrastructure for Morphology
4:15 PM	CONCLUSION	

Friday, July 8, Salon V
Fish Ecology III

Moderator: Bruce Thompson

1:30 PM	*LOVE, JOSEPH W.; MAY, ERIC B.	Seasonal and human disturbances affect fish assemblages from coastal bays of Maryland
1:45 PM	*QUATTRINI, ANDREA M.; ROSS, STEVE W.; SULAK, KENNETH J.	An Initial Assessment of the Fish Community and Habitats Within a Proposed Outer Continental Shelf Marine Protected Area off North Carolina with comparisons to nearby hardbottom communities
2:00 PM	*SUTTON, TRACEY T.; BURGHART, SCOTT E.; HOPKINS, THOMAS L.	The bathypelagic fish assemblage of the Gulf of Mexico
2:15 PM	*THOMPSON, BRUCE A., PETERSON, GARY W., BLACKBURN, JASON K.	Fishes of the Atchafalaya River Delta (Louisiana, USA) with comments on the influence of geomorphological and anthropological changes
2:30 PM	*PARTYKA, MELISSA L.; PETERSON, MARK S.	Fish habitat in an anthropogenic landscape: characterizing the stationary habitat mosaic along an estuarine gradient.
2:45 PM	*WELSH, STUART; OSIER, LIZ; SHEEHAN, KEN	Habitat use of the Elk River spotted darter
3:00 PM	*KAINITZ, MELISSA; JORDAN, FRANK	Summer patterns of microhabitat use by blackbanded darters in northwest Florida
3:15 PM	*MARSH-MATTHEWS, EDIE;	Resource level affects matrotrophic provisioning in

	DEATON, RAELYNN	Largespring Gambusia
3:30 PM	*POLIVKA, KARL M.; KILL, JOSHUA Y.; KNUTSEN, KARINNE L.	The importance of watersheds to fishes in an oligotrophic lake: food, temperature, predation risk, and near-shore habitat selection
3:45 PM	*GROSSMAN, GARY D.; RATAJCZAK, JR., ROBERT E.; PETTY, J. TODD; HUNTER, MARK D.; PETERSON, JAMES T.; GRENOUILLET, GAEL	Population dynamics of mottled sculpin in a variable environment: an information-theoretic approach

Friday, July 8, Salon VI

AES “Jaws”

Moderator: Phillip Motta

1:30 PM	*BELTRÁN, JENNIE L.; PORTER, MARIANNE E.; SUMMERS, ADAM P.	What makes and breaks cartilaginous jaws: the biomechanics and biochemistry of shark jaw cartilage
1:45 PM	*GERRY, SHANNON P.; DEAN, MASON N.	Force transmission of the adductor mandibulae complex across the jaw symphysis in sharks
2:00 PM	*HUBER, DANIEL R.; DEAN, MASON N.; SUMMERS, ADAM P.	The crushing bite of the water bunny <i>Hydrolagus colliciei</i>
2:15 PM	*LOWRY, DAYV; MOTTA, PHILIP J.	Ontogenetic development of feeding behavior in two elasmobranchs: do anatomical constraints canalize behavioral capacity?
2:30 PM	*AJEMIAN, MATTHEW J.; SANFORD, CHRISTOPHER P.J.	Prey capture kinematics of the chain catshark <i>Scyliorhinus retifer</i>
2:45 PM	*WILGA, CHERYL; SANFORD, CHRISTOPHER	Mechanics Of Suction Generation During Feeding In Bamboo Sharks
3:00 PM	*SANFORD, CHRISTOPHER; WILGA, CHERYL	The Effects of Suction Generation on Prey Capture in Bamboo Sharks.
3:15 PM	*RAMSAY, JASON B.; WILGA, CHERYL D.	Dental Biomechanics in Whitespotted Bamboo Sharks (<i>Chiloscyllium plagiosum</i>): A Novel Mechanism for Varying Tooth Function
3:30 PM	*WHITENACK, LISA B.; MOTTA, PHILIP J.	Performance of shark teeth during puncture: implications for the mechanics of cutting

Saturday, July 9, Salon AB

Seibert Ecology II

Moderator: Craig Guyer

8:00 AM	*HUTCHINSON, DEBORAH A.; SCHOEDER, FRANK C.; SAVITZKY, ALAN H.; MORI, AKIRA; MEINWALD, JERROLD; BURGHARDT, GORDON M.	Chemical Evidence for Sequestration of Defensive Toxins in the Asian Snake <i>Rhabdophis tigrinus</i> (Colubridae: Natricinae)
8:15 AM	*ROW, JEFFREY R.; BLOUIN-DEMERS, GABRIEL	Thermal quality influences investment in thermoregulation, habitat use, and behaviour in milksnakes

8:30 AM	ARESCO, MATTHEW J.	Trophic position and environmental correlates of the abundances of three turtle species in north Florida lakes
8:45 AM	*KNAPP, CHARLES R.; OWENS, AUDREY K.; IVERSON, JOHN B.	Geographic variation in nesting behavior and reproductive biology of an insular Bahamian iguana (<i>Cyclura cychlura</i>)
9:00 AM	*COLBERT, PAUL L.; SPENCER, RICKY-JOHN; JANZEN, FREDRIC J.	Hatch or wait II: another dilemma in reptilian incubation.
9:15 AM	ANDREWS, KIMBERLY M.	Snakes on roads: interspecific and intraspecific patterns of behavior as evidenced by a long-term database in the southeastern United States (1951-2005)
9:30 AM	Break	

Saturday, July 9, Salon AB

Amphibian Conservation & Ecology

Moderator: Steven Whitfield

10:00 AM	*PRICE, STEVEN J.; DORCAS, MICHAEL E.; GALLANT, ALISA L.; KLAVER, ROBERT W.; WILLSON, JOHN D.	Three Decades of Urbanization: Estimating the Impact of Landscape Change on Stream Salamander Populations
10:15 AM	*PATON, PETER W. C.; EGAN, ROBERT S.; TYRRELL, TIMOTHY J.	Multi-scale habitat characteristics of pond-breeding amphibians across a rural-urban gradient
10:30 AM	*NICKERSON, M.A.; BRIGGLER, J.T.	Harvesting as a factor in population decline of a long - lived salamander, the Ozark hellbender, <i>Cryptobranchus alleganiensis bishopi</i> Grobman.
10:45 AM	*MARET, TIMOTHY J.; SNYDER, JONATHAN D.	The effect of drying regime on the distribution of an endangered salamander and its invasive predators
11:00 AM	*FLINT, WILLIAM D.; HARRIS, REID N.	Evaluation of visual encounter surveys as an accurate monitoring method in a rare salamander species
11:15 AM	REGESTER, KURT J.	Energy flow and nutrient cycling associated with ambystomatid salamanders in Illinois ponds and adjacent forest
11:30 AM	LEONARD, NORMAN E.	Tadpoles of early breeding amphibians are negatively affected by leaf litter from invasive Chinese tallow trees

Saturday, July 9, Salon CD

Herp Systematics II

Moderator: Meredith Mahoney

8:00 AM	*WEISROCK, DAVID W.; SHAFFER, H. BRADLEY; STORZ, BRIAN L.; STORZ, SHONNA R.; VOSS, S. RANDAL	Multiple EST Loci Provide Perspective on mtDNA Polyphyly for a Paedomorphic Salamander Species
8:15 AM	*WAKE, D. B.; VIEITES, D.; MIN, M-S.; YANG, S-Y.; BONETT, R. M.; BRANDON, R. A.	Discovery of the first plethodontid salamander from Asia

8:30 AM	*TAKAHASHI, MIZUKI; PARRIS, MATTHEW J.	Phylogeography and the role of polyphenism in divergence of the Eastern Newt subspecies
8:45 AM	MAHONEY, MEREDITH J.	Phylogenetic relationships of frog families and amphibian orders based on nuclear ribosomal genes
9:00 AM	TOWNSEND, TED; *SCANTLEBURY, DANIEL; CANNATELLA, DAVID	Diversification of hyloid frogs: a nuclear perspective
9:15 AM	*HEINICKE, MATTHEW P.; HEDGES, S. BLAIR	South American <i>Eleutherodactylus</i> form a large and ancient clade of frogs.
9:30 AM	BREAK	
Moderator: Richard Glor		
10:00 AM	*STEPHENS, PATRICK R.; WIENS, JOHN J.	The evolution of trade-offs in the locomotor performance of emydid turtles
10:15 AM	*SPINKS, PHILLIP Q.; SHAFFER, H. BRADLEY	Turtle soup: delimiting species boundaries and determining species validity in the Asian box turtles (Genus <i>Cuora</i> : Family Geoemydidae).
10:30 AM	*GLOR, RICHARD E.; LOSOS, JONATHAN B.; HARMON, LUKE J.	Stages of adaptive radiation in Caribbean <i>Anolis</i> lizards
10:45 AM	JACKMAN, TODD R.	Tempo and mode of diversification of endemic New Caledonian lizards
11:00 AM	*CRAWFORD, NICHOLAS G.; RICHMOND, JONATHAN Q.; REEDER, TOD W.	Phylogenetic Relationships among the Australian Skinks of the Genus "Glaphyromorphus"
11:15 AM	*MARSHALL, NATHAN R.; REEDER, TOD W.; HOLLINGSWORTH, BRAD D.; GALINA, PATRICIA T.	Phylogenetics and historical biogeography of the western whiptail lizard <i>Aspidoscelis tigris</i> in Baja California, Mexico
11:30 AM	*FILORAMO, NIRVANA I.; SCHWENK, KURT	Support for placement of Snakes within Anguimorpha from tongue Ultrastructure
11:45 AM	BRUCE, RICHARD C.	Did desmognathine salamanders reinvent the larval stage?

Saturday, July 9, Salon GH
Reptile Behavior

Moderator: Paul Andreadis

8:00 AM	*MULLIN, STEPHEN J.; DUNN, STACEY J.; FISHER, ROBERT N.	Attacking the invaders: how a generalist snake forages successfully for three introduced prey species.
8:15 AM	*TORRES-CERVANTES, RICARDO J.; HERNÁNDEZ-IBARRA, XÓCHITL; RAMÍREZ-BAUTISTA, AURELIO	Death feigning and autotomy behavior of the Mexican Blind Lizard (<i>Anelytropsis papillosus</i>), from Guadalcázar, San Luis Potosí, México
8:30 AM	*KARSTEN, KRISTOPHER B.; ANDRIAMANDIMBIARISOA, LAZA; FOX, STANLEY F.; RAXWORTHY, CHRISTOPHER J.; RAKOTONDRAVONY, DANIEL	Courtship behavior and sexual selection in two species of chameleons in southwest Madagascar

8:45 AM	GIENGER, C. M.; *BECK, D. D.	Heads or Tails? Sexual Dimorphism in Gila Monsters and Beaded Lizards
9:00 AM	FONTENOT, CLIFF	Underwater Pupillary Constriction and the Lack of a Pupillary Response to Light in the Garter Snakes (<i>Thamnophis</i>)
9:15 AM	ANDREADIS, PAUL T.	Snakes scentmark salient sites?
9:30 AM	BREAK	
9:45 AM		
10:00 AM	HANSKNECHT, KERRY A.	The lingual lure of the Mangrove Saltmarsh Snake <i>Nerodia clarkii compressicauda</i>
10:15 AM	*KIRBY, LAUREN E.; BURGHARDT, GORDON M.	A comparative study of behavior in neonate garter snakes of two species, <i>Thamnophis butleri</i> and <i>T. radix</i> , in an area of potential hybridization
10:30 AM	*MORI, AKIRA; BURGHARDT, GORDON M.	Geographic variation in effects of toad-feeding on chemical preference and antipredator responses in <i>Rhabdophis tigrinus</i>
10:45 AM	*ROELKE, COREY E.; CHILDRESS, MICHAEL; MONTANUCCI, RICHARD R.	Thermal sensitivity in viperine snakes?
11:00 AM	*DAVIS, KAREN; BURGHARDT, GORDON M.	Long-term Memory in a Cognitive Task by Turtles (<i>Pseudemys nelsoni</i>)
11:15 AM	*JOHNSON, VALERIE M.; GUYER CRAIG	Seasonal and diel mating activity of Gopher Tortoises
11:30 AM	*MCGUIRE, JEANETTE; KAMARAINEN, AMY; SCRIBNER, KIM; CONGDON, JUSTIN	Factors affecting among annual variation in incidence of multiple paternity in Common snapping turtles (<i>Chelydra serpentina</i>)
11:45 AM	RYAN, TRAVIS J.; *CONNER, CHRISTOPHER A.; PETERMAN, BILL	Spatial ecology of turtle populations within an urban landscape: implications for conservation and habitat management

Saturday, July 9, Salon IJ

Anuran Ecology

Moderator: Christopher Rowe

8:15 AM	*GUZY, JACKIE C.; CAMPBELL, TODD S.	Effects of hydrological alterations and introduced species on amphibian populations in a wellfield in Southwest Florida
8:30 AM	*ROWE, CHRISTOPHER L.; HOPKINS, WILLIAM A.; SALICE, CHRISTOPHER J.; PECHMANN, JOSEPH H. K.	Temporally- and spatially-disparate influences of anthropogenic stressors on amphibian populations: models of effects of aquatic contaminants and terrestrial habitat reduction
8:45 AM	*SADINSKI, WALT; WILSON, MICHELLE; BOURASSA, SAM; MEYER, LEAH; ROTH, MARK; YAHN, JEREMIAH	Disparate effects of climate on amphibians

9:00 AM	*TOUCHON, JUSTIN C.; WARKENTIN, KAREN M.	Interacting risks: rainfall reliability and egg predation in the neotropical treefrog, <i>Hyla ebraccata</i>
9:15 AM	*MARTÍNEZ-RIVERA, CARLOS C.; GERHARDT, H. CARL	The role of acoustic signals in chorus formation in treefrogs
9:30 AM	Break	

**Saturday, July 9, Salon IJ
Fish Ecology IV**

Moderator: Mac Kobza

10:00 AM	PAPPAL, ADRIENNE L.	Habitat Preferences of Juvenile Winter Flounder, <i>Pseudopleuronectes americanus</i> , in the Presence of Structure
10:15 AM	*SNYDER, DAVID B.; LINDEMAN, KEN C.	Microhabitat use by newly settled fishes on hardbottom habitats in nearshore waters of southeast Florida.
10:30 AM	*KOBZA, MAC; COOK, MARK; CALL, ERYNN	Nonindigenous Fish in the Everglades: Potential Ecological Impacts
10:45 AM	SZEDLMAYER, STEPHEN T.	Evidence for production of red snapper <i>Lutjanus campechanus</i> , from artificial habitats.
11:00 AM	*MASONJONES, HEATHER D.; CURTIS, KEVIN M.	Dwarf seahorse (Syngnathidae, <i>Hippocampus zosterae</i>) habitat distribution and population biology in Tampa Bay, Florida: engaging volunteers in the research process
11:15 AM	*HOENIG, JOHN M.; GEDAMKE, TODD	Estimating Mortality from Mean Length Data in Non-equilibrium Situations, with Application to the Assessment of Goosefish (<i>Lophius americanus</i>)
11:30 AM	SUNTSOV, ANDREY	Larval fish imitating a bird feather: a unique example of phaneric mimesis in the pelagic environment

**Saturday, July 9, Salon IV
Fish Biogeography I**

Moderator: Mollie Cashner

8:00 AM	*SPARKS, JOHN S.; SMITH, WM. LEO	Origin of Madagascar's Freshwater Fishes: A Case of Dispersing Continents
8:15 AM	REIS, ROBERTO E.	Catfishland, or the Brazilian leg of the Trans-Continental Catfish Expedition sponsored by the All Catfish Species Inventory
8:30 AM	*SABAJ, MARK H.; SALCEDO, NORMA J.; ORTEGA, HERNAN	Piscatorial highlights from the Peruvian leg of the Trans-Continental Catfish Expedition sponsored by the All Catfish Species Inventory
8:45 AM	SALCEDO, NORMA J.	Patterns of fish diversity along an elevational gradient in the Peren[:eacute:] River Basin, central Peru
9:00 AM	LUJAN, NATHAN K.	Fishes of the Rio Ventuari
9:15 AM	*WILLIS, STUART; NUNES, MARIO; MONTAÑA, CARMEN; FARIAS IZENI; LOVEJOY, NATHAN	Diversification in the Neotropical cichlid genus <i>Cichla</i>
9:30 AM	Break	

9:45 AM		
10:00 AM	*MARTIN, F. DOUGLAS; KRABENHOFT, TREVOR; HARDY, J. DAVID, JR.; QUATTRO, JOSEPH M.	How Many Species of <i>Poecilia</i> Are There In Tobago?
10:15 AM	BLANTON, REBECCA E.	The geographic distribution of genetic diversity in the <i>Etheostoma flabellare</i> species complex (Percidae, <i>Catnotus</i>) from the lower Atlantic Slope River drainages of North and South Carolina
10:30 AM	*STRANGE, REX MEADE; STEPIEN, CAROL A.	﻿ Historical Biogeography of walleye (<i>Sander vitreus</i>) as inferred from mitochondrial and microsatellite loci
10:45 AM	KECK, BENJAMIN P.	Historical Biogeography of <i>Nothonotus darters</i> (Percidae: Etheostomatinae).
11:00 AM	NAGLE, BRETT C.	Comparative phylogeography of three central highlands minnows (Ostariophysi: Cyprinidae)
11:15 AM	HOPKINS, ROB	Hybridization of <i>Lythrurus fasciolaris</i> (Cope) and <i>L. umbratilis</i> (Girard) (Cypriniformes: Cyprinidae)
11:30 AM	BERENDZEN, PETER B. Z.	Phylogeography of the bigeye chub, <i>Hybopsis amblops</i> (Teleostei: Cypriniformes)
11:45 AM	*GOODMAN, DAMON H.; REID, STEWART; DOCKER, MARGARET F.; KINZIGER, ANDREW P.	Phylogeography of <i>Entospehenus tridentatus</i> (Petromyzontidae)

Saturday, July 9, Salon V

AES Miscellaneous

Moderator: Robert Hueter

8:00 AM	*STROUD, ERIC M.; HERRMANN, MICHAEL M.; GRUBER, S. H.	An improved qualitative method for detecting and isolating shark-repelling semiochemicals
8:15 AM	STROUD, ERIC M.; *HERRMANN, MICHAEL M.; GRUBER, S. H.	Effects of Magnetic Fields Exceeding 50 Gauss on Tonicly Immobilized Sharks
8:30 AM	*MEISCHKE, LARA; CRAMB, GORDON	An extremely tolerant shark: Osmoregulation in the bull shark, <i>Carcharhinus leucas</i>
8:45 AM	*MAIA, ANABELA; QUEIROZ, NUNO; CORREIA, JOÃO P.; CABRAL, HENRIQUE N.	The shortfin mako shark, <i>Isurus oxyrinchus</i> , from Portuguese waters - foraging ecology, population dynamics and reproduction
9:00 AM	*CARLISLE, AARON B.; KING, AARON; CAILLIET, GREGOR M.; BRENNAN, JAMES S.	Long-term trends in elasmobranch catch composition from fishing derbies in Elkhorn Slough, California
9:15 AM	*BAREMORE, IVY E.; WINNER, BRENT L.; KOHLER, NANCY E.; MELLO, JOSEPH J.	Differences in the ratios of fin to carcass weight among fourteen species of sharks
9:30 AM	Break	

Saturday, July 9, Salon V

AES Feeding & Energetics**Moderator: Jeff Carrier**

10:00 AM	*HAMMERSCHLAG, NEIL; MARTIN, R. AIDAN; FALLOWS, CHRIS	White Shark (<i>Carcharodon carcharias</i>) Predation on Cape Fur Seals (<i>Arctocephalus pusillus pusillus</i>) at Seal Island, South Africa: Present Knowledge and Future Directions
10:15 AM	*TILLET, BREE J.; TIBBETTS, IAN R.	Prey Discrimination and Foraging Behaviours of the Bluespotted stingray, <i>Dasyatis kuhlii</i> (Muller and Henle, 1841) in Moreton Bay, Australia
10:30 AM	*MCELROY, W. DAVID; MCCANDLESS, CAMILLA T.; KOHLE, NANCY E.; WETHERBEE, BRADLEY M.; DUFFY, KATHLEEN A.; RECKSIEK, CONRAD W.	Diet, gastric evacuation, and feeding ecology of juvenile sandbar sharks, <i>Carcharhinus plumbeus</i> , and smooth dogfish, <i>Mustelus canis</i> , in Delaware Bay.
10:45 AM	*PAPASTAMATIOU, YANNIS P.; LOWE, CHRISTOPHER G.; HOLLAND, KIM N.;	Variations in the response of gastric acid secretion during periods of fasting between shark species
11:00 AM	*BETHEA, D.M.; HALE- WILLIAMS, L.; CARLSON, J.K.; CORTÉS, E.; MANIRE, C.A.; GELSLEICHTER, J.	Latitudinal variation in the diet and daily ration of the bonnethead shark <i>Sphyrna tiburo</i> from the eastern Gulf of Mexico
11:15 AM	*DOWD, W. WESLEY; BRILL, RICHARD W.; BUSHNELL, PETER G.; MUSICK, JOHN A.	Metabolic rates and bioenergetics of juvenile sandbar sharks (<i>Carcharhinus plumbeus</i>) in the lower Chesapeake Bay
11:30 AM	*PARSONS, KRISTENE T.; NEWMAN, STEVEN P.; HANDY, RICHARD D.; GRUBER, SAMUEL H.	Exposure of nursery-bound lemon sharks, <i>Negaprion brevirostris</i> , to dietary non-essential trace metals at Bimini, Bahamas
11:45 AM	*MACNEIL, M. AARON; SKOMAL, GREGORY B.; FISK, AARON T.	Tissue Types Reflect Trophic Inferences from Stable Isotopes in Sharks

Saturday, July 9, Salons VI**AES Movements & Habitat****Moderator: Christopher Lowe**

8:00 AM	*KESSEL, S. T.; GRUBER, S. H.; FRANKS, B. R.; JOHNSON, G. T.; KONIGSON, S.	Community Structure of the Resident and Nomadic Shark Populations, Bimini, Bahamas
8:15 AM	*FAHY, DANIEL P.; SPIELER, RICHARD E.	Activity patterns, distribution and population structure of the yellow stingray, <i>Urobatis jamaicensis</i> in Southeast Florida.
8:30 AM	*COLLINS, ANGELA B.; HEUPEL, MICHELLE R.; HUETER, ROBERT E.; MOTTA, PHILIP J.	Tracking the cownose ray <i>Rhinoptera bonasus</i> within a southwest Florida estuary: Evidence for residence?
8:45 AM	GRUSHA, DONNA S.	Analysis of Fall Migration of Cownose Rays, <i>Rhinoptera bonasus</i> , using Pop-up Satellite Archival Tags
9:00 AM	MCCOY, A. JEANENE; *MCDOWELL, ALLEN G.; CORWIN, ALLISON L.; DAVIS, LISA M.; STAMPER, M. ANDREW	Behavior of Spotted Eagle Rays, <i>Aetobatus narinari</i> , in Captivity at The Living Seas

9:15 AM	*MCCOY, A. JEANENE; CORWIN, ALLISON L.; STAMPER, M. ANDREW	Behavioral Observations on Captive Sandtiger Sharks, <i>Carcharias taurus</i> , at The Living Seas
9:30 AM	BREAK	
		Moderator: John Musick
10:00 AM	*FRANKS, BRYAN R.; GRUBER, SAMUEL H.; SPOTILA, JAMES R.	The movements and habitat selection of juvenile lemon sharks, <i>Negaprion brevirostris</i> , in Bimini, Bahamas over a spatiotemporal scale
10:15 AM	*CONRATH, CHRISTINA; MUSICK, JOHN A.	Investigations into the activity patterns and space use of juvenile sandbar sharks, <i>Carcharhinus plumbeus</i> , in the Eastern Shore of Virginia summer nursery area
10:30 AM	*TYMINSKI, JOHN P.; HUETER, ROBERT E.; SIMPFENDORFER, COLIN A.	Relative abundance and long-term movement patterns of juvenile blacktip sharks, <i>Carcharhinus limbatus</i> , in three Florida Gulf coastal nursery areas, 1995-2004
10:45 AM	*LOEFER, JOSHUA K.; SEDBERRY, GEORGE R.	Satellite pop-up tagging provides a first look into the diel migration patterns of the night shark, <i>Carcharhinus signatus</i> .
11:00 AM	*LOWE, CHRISTOPHER G.; FRIEDLANDER, ALAN; BEETS, JIM; CASELLE, JENNIFER; PAPASTAMATIOU, YANNIS P.	Movements of blacktip reef sharks (<i>Carcharhinus melanopterus</i>) in lagoons at Palmyra Atoll
11:15 AM	*LOBEL, PHILLIP S.; LOBEL, LISA K.	Movement patterns of the grey reef shark, <i>Carcharhinus amblyrhynchos</i> , at Johnston Atoll and Palau.
11:30 AM	BRUNNSCHWEILER, JUERG M.	Insight into migration patterns of bull sharks in the Pacific
11:45 AM	*ZIEGLER, BARBARA V.; LOWE, CHRISTOPHER G.	Behavioral thermoregulation of the leopard shark, <i>Triakis semifaciata</i> , in nearshore embayments of Catalina

Saturday, July 9, Salon AB
Snake Conservation

Moderator: James Watling

1:30 PM	JENKINS, C. L.	Linking landscape disturbance to population level variation in western rattlesnake life histories
1:45 PM	CAMPER, JEFFREY D.	Wetland Conservation and the Spatial Ecology of the Red-bellied Watersnake (<i>Nerodia erythrogaster erythrogaster</i>)
2:00 PM	*WILLSON, JOHN D.; WINNE, CHRISTOPHER T.; DORCAS, MICHAEL E.; GIBBONS, J. WHITFIELD	Post-drought responses of semi-aquatic snakes inhabiting an isolated wetland: Insights on different strategies for persisting in a dynamic habitat
2:15 PM	MEANS, D. BRUCE	Effects of Rattlesnake Roundups on the Eastern Diamondback Rattlesnake, <i>Crotalus adamanteus</i>
2:30 PM	*KINGSBURY, BRUCE A.; SAGE, JOSEPH R.; MANNING, JENNIFER V.	Barriers, Real and Imagined: Insights into Habitat Management for the Imperiled the Eastern Massasauga
2:45 PM	JACKSON, T.G.; *LEE, JAMES R.; OLSEN, MELISSA A.	Seasonal Activity and Movement Patterns of the Black Pine Snake (<i>Pituophis melanoleucus lodingi</i>) in southern Mississippi

- 3:00 PM ***HYSLOP, NATALIE L.; COOPER, ROBERT J.; MEYERS, J. MICHAEL** Seasonal Refuge Requirements of the Threatened Eastern Indigo Snake (*Drymarchon couperi*) in Southeastern Georgia: Preliminary Analysis
- 3:15 PM ***FEINBERG, JEREMY A.; GOODYEAR, STEPHEN E.** Home range and activity patterns of eastern hognose snakes, *Heterodon platyrhinos*, in the Central Pine Barrens of Long Island, New York
- 3:30 PM ***BREISCH, ALVIN R.; TEAR, TIMOTHY H.; STECHERT, RANDY** Rattlesnake Exclusion Fences: Do They Really Work?

Saturday, July 9, Salon CD

Anuran Conservation

Moderator: Ralph Saporito

- 1:30 PM ***CISNEROS-HEREDIA, DIEGO F.; MCDIARMID, ROY W.** Declining Glassfrogs: Diversity and Conservation Status of the Centrolenidae from Ecuador
- 1:45 PM **BELL, KRISTEN E.; WHITFIELD, STEVEN M.; SASA, MAHMOOD; *DONNELLY, MAUREEN A.;** Population variability of a leaf-litter herpetofauna at La Selva, Costa Rica: seasonal and long-term trends
- 2:00 PM ***FELLERS, GARY M.; KLEEMAN, PATRICK M.; SPARLING, DONALD W.; MCCONNELL, LAURA L.** Role of contaminants in the decline of amphibians in the Sierra Nevada Mountains, California, USA
- 2:15 PM ***FOX, STANLEY F.; GREER, AMY L.; TORRES-CERVANTES, R.; COLLINS, JAMES P.** First case of ranavirus-associated morbidity and mortality in natural populations of a South American amphibian: occurrence and effects
- 2:30 PM ***LEHTINEN, RICHARD M.; SKINNER, ALLEN A.** Cricket frog declines in Ohio: a test of the habitat acidification hypothesis
- 2:45 PM ***LOVICH, ROBERT; RYAN, MASON; SCOTT, NORMAN** Status of *Atelopus varius* within a biological corridor in South-central Pacific Costa Rica
- 3:00 PM ***ROGERS, KAREL L.; CALKINS, MICHAEL T.; SMITH, KATI L., EVANS, TIMOTHY M.** Conservation Implications of Patterns of Genetic Variation in West Michigan Ranid Frogs: Evidence from Cytochrome b and 12S rRNA
- 3:15 PM **SREDL, MICHAEL J.; RORABAUGH, JAMES C.; HALE, STEPHEN F.; *DINSMORE, ABIGAIL; IVANYI, CRAIG** Repatriation of the Tarahumara Frog (*Rana tarahumarae*) to Arizona
- 3:30 PM **WITTE, CARMEL L.; HUNGERFORD, LAURA L.; *SREDL, MICHAEL J.** Preliminary examination of risk factors associated with the disappearance of Arizona native ranid frogs (family Ranidae)

Saturday, July 9, Salon GH

Lizard Ecology

Moderator: Ross Alford

1:30 PM	*LAHTI, MEGAN E.; BECK, DANIEL D.	Seasonal variation in habitat use and movement by the Pygmy Short horned lizard (<i>Phrynosoma douglasii</i>)
1:45 PM	*HIERLIHY, CATHERINE A.; MALLORY, FRANK F.; COLLAZO, RODOLFO G.	Diet composition and trophic morphology dimorphism in the iguanid lizard <i>Sceloporous siniferus</i> from Huatulco, Mexico
2:00 PM	*FERGUSON, GARY W.; GEHRMANN, WILLIAM H.; KARSTEN, KRISTOPHER B.; LANDWER, ALLAN J.; CARMAN, ELLIOTT N.; CHEN, TAI C.; HOLICK, MICHAEL F. WARNER, DANIEL A.	Ultraviolet exposure and vitamin D synthesis in a sun-dwelling and a shade-dwelling species of Anolis.
2:15 PM		The adaptive significance of temperature-dependent sex determination in a short-lived lizard (<i>Amphibolurus muricatus</i> Agamidae)
2:30 PM	RICHMOND, JONATHAN Q.	Parallel speciation as a consequence of divergent natural selection in North American scincid lizards
2:45 PM	FREEMAN, AMANDA N. D.	Skink Community Composition in a Rainforest Restoration Site
3:00 PM	CATENAZZI, ALESSANDRO	The <i>Ulva</i> connection: Marine algae subsidize gecko populations in coastal Peru
3:15 PM	*ALFORD, ROSS A.; SCHWARZKOPF, LIN; SCHOENER, THOMAS W.	Effects of varanid top predators on skink mesopredators and their prey

**Saturday, July 9, Salon IJ
Fish Behavior I**

Moderator: Noel Burkhead

1:30 PM	*ABRASHEFF, REBECCA L.; PORTER, BRADY A.	A molecular dissection of the mating system in the bluntnose minnow, <i>Pimephales notatus</i> .
1:45 PM	LANGERHANS, R. BRIAN	Size matters, but bigger is not always better: females, predators, and male genital evolution
2:00 PM	BURKHEAD, NOEL M.	A model of reproductive behavior in the North American cyprinid genus <i>Cyprinella</i> .
2:15 PM	*STAUFFER, JAY R.; KELLOGG, KAREN A.; MCKAYE, KENNETH R.	Experimental Evidence of Female Choice in Lake Malawi Cichlids
2:30 PM	BERRA, TIM M.	Observation of egg carrying by male nurseryfish, <i>Kurtus gulliveri</i> : natural history notes from northern Australia
2:45 PM	*SOMMER, JULIE A.; BROZEK, JEREMY M.; BESSERT, MIKE; LI, CHENHONG; BERRA, TIM M.; ORTI, GUILLERMO	Microsatellite assessment of parentage in the nurseryfish, <i>Kurtus gulliveri</i> (Perciformes: Kurtidae).
3:00 PM	ANTHONY, KIM M.	Behavioral time budgets of <i>ZebraSoma flavescens</i> in an artificial and natural ecosystem
3:15 PM	*JORDAN, REBECCA; HOWE, DAVID	Latent female preference for dorsal fin characteristics in mollies

3:30 PM **BOMMARITO, BIANKA** Choice of Spawning Temperature by Neotropical Cichlid Fishes

Saturday, July 9, Salon IV
Fish Biogeography II

Moderator: Brian Bowen

1:30 PM ***BOWEN, BRIAN W.; ROCHA, LUIZ A.; MUSS, ANDREW; GRANT, W. STEWART** Shallow mtDNA coalescence in Atlantic pygmy angelfishes (genus *Centropyge*) indicates a recent invasion from the Indian Ocean

1:45 PM ***ROCHA, LUIZ A.; ROBERTSON, D. ROSS; ROCHA, CLAUDIA R.; VAN TASSELL, JAMES L.; CRAIG, MATTHEW T.; BOWEN, BRIAN W.** Recent invasion of the tropical Atlantic by an Indo-Pacific coral reef fish

2:00 PM ***WINTERBOTTOM, RICHARD; HALAS, DOMINIK** South-east Asian biogeography - opening Pandora's box

2:15 PM **SHELDON, TOM A.** Evolutionary and biogeographic history of the deepwater sculpin (*Myoxocephalus thompsonii*)

2:30 PM ***HASTINGS, PHILIP A.; CRAIG, MATTHEW T.** Allopatric speciation in chaenopsid blennies - another new species of *Acanthemblemaria* from the tropical eastern Pacific

2:45 PM ***CARPENTER, KENT E.; MAHON, ANDREW R.; MARTIN, JENNIFER M.; REGIS-ROMENA, LUZ B.** Phylogeography of the shortfin scad, *Decapterus macrosoma* (Perciformes, Carangidae) from the Philippines

3:00 PM ***CASAZZA, TARA L.; QUATTRINI, ANDREA M.; ROSS, STEVE W.; SULAK, KENNETH J.** Anguilliform larvae collected off North Carolina

3:15 PM ***COTTON, CHARLES F.; FOSSEN, INGE; DYB, JAN ERIK; MUSICK, J.A.** Community structure of demersal ichthyofauna sampled by bottom longlines in two areas along the Mid-Atlantic Ridge: A summary of the data collected on the M/S Loran during the MAR-ECO project.

Saturday, July 9, Salon V
AES Genetics

Moderator: Carl Luer

1:30 PM ***RICHARDS, VINCENT P.; SHIVJI, MAHMOOD S.** Strong population genetic structure in the southern stingray, *Dasyatis americana*, revealed by mtDNA control region sequences

1:45 PM ***LE PORT, AGNES; MONTGOMERY, JOHN C.; LAVERY, SHANE** Population genetics of short-tailed stingrays, *Dasyatis brevicaudata*

2:00 PM ***MAGNUSSEN, JENNIFER E.; SHIVJI, MAHMOOD S.** Efficient genetic identification of species and geographic origin of body parts from CITES and/or legislatively protected shark species.

2:15 PM	*CASTRO, ANDREY L.F.; STEWART, BRENT S.; WILSON, STEVEN G.; MEEKAN, MARK G.; HUETER, ROBERT E.; BASS, ANNA L.; BOWEN, BRIAN W.; KARL, STEPHEN A.	Preliminary information on the population genetics of the whale shark (<i>Rhincodon typus</i>).
2:30 PM	*TREJO, TONATIUH; CAILLIET, GREGOR M.; EBERT, DAVID A.	Population structure of thresher sharks (<i>Alopias</i> spp.) based upon mitochondrial DNA control region sequence data
2:45 PM	*CHAPMAN, DEMIAN D.; PRODOHL, PAULO A.; GELSLEICHTER, JAMES; SHIVJI, MAHMOOD S.	Mating systems of the bonnethead and scalloped hammerhead sharks in the southeast U.S.A., as revealed by microsatellite DNA profiling.

Saturday, July 9, Salon VI

AES Movements & Habitat (cont.)

Moderator: Michelle Heupel

1:30 PM	*SKOMAL, GREGORY; CHISHOLM, JOHN; LYMAN, EDWARD	The occurrence of a great white shark, <i>Carcharodon carcharias</i> , in a southern New England tidal estuary.
1:45 PM	*REYIER, ERIC A.; ADAMS, DOUGLAS H.; SCHEIDT, DOUGLAS M.	The discovery of an important winter nursery for the lemon shark, <i>Negaprion brevirostris</i> , at Cape Canaveral, Florida
2:00 PM	*WILEY, TONYA R.; SIMPFENDORFER, COLIN A.; TYMINSKI, JOHN P.	Elasmobranchs of Everglades National Park
2:15 PM	*DEANGELIS, BRYAN M.; MCCANDLESS, CAMILLA T.; KOHLER, NANCY E.; WETHERBEE, BRADLEY M.; RECKSIEK, CONRAD W.	Distribution of sharks in the U.S. Virgin Islands with an emphasis on nursery areas
2:30 PM	*HUETER, ROBERT; GONZALEZ CANO, JAIME; REMOLINA SUAREZ, FRANCISCO; DE LA PARRA, RAFAEL; TYMINSKI, JOHN; PEREZ RAMIREZ, JUAN	Whale shark summer feeding grounds where the Gulf of Mexico meets the Caribbean Sea
2:45 PM	*CHARVET-ALMEIDA, PATRICIA; ALMEIDA, MAURICIO P.; ALBERNAZ, ANA L. M.	Distribution of Elasmobranchs in the Brazilian Amazon River Floodplain

Sunday, July 10, Salon AB

Herp Genetics

Moderator: Corey Anderson

8:00 AM	*ANDERSON, COREY D.; DRDA, WAYNE J.; TEMPLETON, ALAN R.	Population genetic variation and gene flow among communal hibernacula of timber rattlesnakes (<i>Crotalus horridus</i>) in western St. Louis County, Missouri.
8:15 AM	*HARPER, GEORGE R.; PFENNIG, DAVID W.	The role of gene flow in a coral snake mimicry system: the phylogeography of scarlet kingsnakes

8:30 AM	*NEUWALD, JENNIFER L.; TEMPLETON, ALAN R.	Fire management and the effects of gene flow and drift on the eastern collared lizard
8:45 AM	*MCALILEY, L. REX; WILLIS, RAY E.; DENSMORE, LLEWELLYN D.	Characterization of eight microsatellite loci in a captive population of <i>Sauromalus varius</i> covering a decade of captive breeding.
9:00 AM	*REECE, JOSHUA S.; EHRHART, L.; PARKINSON C.	The green turtle: historical and current patterns in phylogeography and relevant implications for conservation planning.
9:15 AM	*HACKLER, JOSEPH C.; VAN DEN BUSSCHE, RONALD A.; ROMAN, JOE; LESLIE JR., DAVID M.; FOX, STANLEY, F.	Microsatellite Variation and Population Structure of Alligator Snapping Turtles
9:30 AM	Break	
		Moderator: Bradley Schaffer
10:00 AM	*STORFER, ANDREW; FAUTH, JOHN E.; SCHOCK, DANNA L.; DOWNS, CRAIG A.	Population-level variation of tiger salamanders in proteomic responses to iridovirus infection
10:15 AM	*WILLIAMS, ROD N.; GOPURENKO, DAVID; MCCORMICK, CORY R.; DEWOODY, J. ANDREW	The breeding biology of the tiger salamander (<i>Ambystoma tigrinum</i>) as assessed with molecular genetic markers.
10:30 AM	*BOS, DAVID H.; DEWOODY, J. ANDREW	Molecular characterization of major histocompatibility complex class II alleles in wild tiger salamanders (<i>Ambystoma tigrinum</i>)
10:45 AM	*VALENZUELA, NICOLE; EZAZ, TARIQ; BURKE, RUSSELL; GRUETZNER, FRANK; GEORGES, ARTHUR; MARSHALL GRAVES, JENNIFER	Identification of sex chromosomes in <i>Chelodina longicollis</i> : karyotype revisited
11:00 AM	SCHWARTZ, TONIA S.; *KARL, STEPHEN A.	Population and Conservation Genetics of the Gopher Tortoise (<i>Gopherus polyphemus</i>)
11:15 AM	*BOGART, JIM; BI, KE	Identification of genomes in multigenomic unisexual salamanders (genus <i>Ambystoma</i>) using GISH
11:30 AM	*HAUSWALDT, J. SUSANNE; STUCKAS, HEIKO; TIEDEMANN, RALPH	Population genetic structure of the European fire-bellied toad (<i>Bombina orientalis</i>)
11:45 AM	*SHAFFER, H. BRADLEY; LIND, AMY J.; SPINKS, PHILLIP Q.	Comparative phylogeography of California amphibians and reptiles: Insights from central California.

Sunday, July 10, Salon CD
Herp Systematics III

Moderator: Frank Burbrink

8:00 AM	*FONTANELLA, FRANK; FELDMAN, CHRIS; BURBRINK, FRANK T.	Preliminary Phylogeography of the ringneck snake <i>Diadophis punctatus</i>
8:15 AM	BANACH, EILEEN M.	Using hemipenis characteristics to determine the correct classification of Dipsadinae <i>incertae sedis</i>

8:30 AM	*BURBRINK, FRANK; LAWSON, ROBIN; RODRÍGUEZ, JAVIER A.	Ancestral area and divergence date estimation for lampropeltine snakes
8:45 AM	*DOUGLAS, MICHAEL E.; DOUGLAS, MARLIS R.; HOLYCROSS, ANDREW T.; SCHUETT, GORDON W.; MACKESSY, STEVEN	Molecular diversity in <i>Sistrurus</i> (Viperidae)
9:00 AM	*CASTOE, TODD A.; SMITH, ERIC N.; CAMPBELL, JONATHAN A.; PARKINSON, CHRISTOPHER L.	Complex Bayesian and parsimony analyses resolve a taxonomically chaotic phylogeny of New World coral snakes
9:15 AM	*WILLIS, RAY E.; MCALILEY, L. REX; DENSMORE, LLEWELLYN D. III	Phylogenetic inference of the extant crocodylians based on nuclear gene sequences
9:30 AM	Break	

Sunday, July 10, Salon CD

Turtle Ecology I

Moderator: Kenneth Dodd

10:00 AM	*WOJAKOWSKI, MARIA M.; WIDRIG, AMANDA L.; BURKE, RUSSELL L.	Emergence Patterns of the Diamondback Terrapin (<i>Malaclemys terrapin</i>) in Jamaica Bay Wildlife Refuge, New York City
10:15 AM	*WIDRIG, AMANDA L.; WOJAKOWSKI, MARIA; BURKE, RUSSELL L.	The impact of microhabitat on nest temperatures and offspring sex ratios in diamondback terrapins
10:30 AM	*DODD, C. KENNETH, JR.; OZGUL, ARPAT; OLI, MADAN	Survival and Dispersal Rates of Florida Box Turtles Affected by Multiple Disturbance Events
10:45 AM	*SWARTH, CHRISTOPHER W.; QUINLAN, M.	Gender differences in the habitat preference of Eastern Box Turtles (<i>Terrapene carolina carolina</i>) using forests and adjacent tidal wetlands
11:00 AM	*ROWE, JOHN W.; CLARK, DAVID L.; RYAN, COLLEEN; PRICE, MICHAEL D.; TUCKER, JOHN, K.	Substrate Color-induced Pigmentation Patterns of Integuments in Midland Painted Turtles and Red-eared Slider Turtles
11:15 AM	*MUNSCHER, ERIC C.; HRYCYSHYN, GABRIELLE E.; HAUGE, J. BRIAN.; BUTTERFIELD, BRIAN P.	Characteristics of the Semi-Aquatic Turtle Assemblage at Wekiwa Springs State Park
11:30 AM	*WALDE, ANDREW D.; DELANEY, DAVID; PATER, LARRY; QUILLMAN, MICKEY	Using Automated Radio Telemetry to Monitor Desert Tortoise (<i>Gopherus agassizii</i>) Activity Patterns

Sunday, July 10, Salon GH

Amphibian Ecology

Moderator: Maureen Donnelly

8:00 AM	*MATTHEWS, KATHLEEN R.; MIAUD, CLAUDE	A skeletochronological study of the longevity and age structure of the mountain yellow-legged frog, <i>Rana muscosa</i>
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8:15 AM	*VONESH, JAMES R.; WARKENTIN, KAREN M.	Predator-induced shifts in metamorphosis in response to larval and metamorph risk
8:30 AM	*SCHANK, CANDRA M.M.; SCHULTE-HOSTEDDE, ALBRECHT I.	Condition dependence of sexually dimorphic traits in the male green frog (<i>Rana clamitans</i>)
8:45 AM	*SAPORITO, RALPH A.; DONNELLY, MAUREEN A.	Geographic and temporal variation in alkaloid chemical defense of the dendrobatid frog, <i>Dendrobates pumilio</i>
9:00 AM	PARRIS, MATTHEW J.	Hybrid response to pathogen infection in interspecific crosses between two amphibian species (Anura: Ranidae)
9:15 AM	*MCDONALD, ELIZABETH; FORDYCE, JAMES; MARION, ZACHARY	Inducibility of bufadienolides in adult American toads, <i>Bufo americanus</i>
9:30 AM	Break	
9:45 AM		
10:00 AM	*MCCOY, MICHAEL W.; BOLKER, BENJAMIN M.	Quantifying the effect of prey density on induced defenses in pine woods treefrogs
10:15 AM	*GOMEZ-MESTRE, IVAN; TOUCHON, JUSTIN C.; WARKENTIN, KAREN M.	Embryo defenses against water mold infection in wood frogs, american toads, and spotted salamanders.
10:30 AM	*OTTO, CLINT R.V.; SNODGRASS, JOEL W.; FORESTER, DON C.; MITCHELL, JOSEPH C.; MILLER, ROBERT	Climatic variation and the distribution of the gray treefrog complex
10:45 AM	*BARRIBEAU, SETH; WALDMAN, BRUCE	Kinship association reduces the growth inhibitory effects of the pathogen <i>Aeromonas hydrophila</i> on <i>Xenopus laevis</i> tadpoles
11:00 AM	KNIGHT, C. MICHAEL	How Does Natural Selection Influence the Outcome of a Biological Invasion? Interactions Between Larval Cuban Treefrogs and Native Frogs in Florida
11:15 AM	*MCDONOUGH-HAUGHEY, CHRISTIN; PATON, PETER W. C.	Dispersal Ecology of Radio-tagged Adult Spotted Salamanders on a Golf Course
11:30 AM	*DIXSON, MARCIE; CARR, JOHN L.	Herpetofauna of Two Wildlife Management Areas in Northeast Louisiana

Sunday, July 10, Salon IJ
Snake Ecology I

Moderator: Matt Goode

8:00 AM	PARKER, M. ROCKWELL	Revealing greater complexity in rattlesnake chemical ecology: change is in the air.
8:15 AM	*BARBER, THERESA M.; ANDREADIS, PAUL; GILLINGHAM, JAMES C.	Ambush site selection in a generalist forager, the Western cottonmouth (<i>Agkistrodon piscivorus leucostoma</i>)
8:30 AM	*CRANE, ADAM L.; GREENE, BRIAN D.	The effect of reproductive condition on the ecology of the cottonmouth (<i>Agkistrodon piscivorus</i>)
8:45 AM	GLAUDAS, XAVIER	Ontogeny of antipredator behavioral habituation in Cottonmouths (<i>Agkistrodon piscivorus</i>)

9:00 AM	*DARDINGER, NICKI; MORREALE, STEPHEN J.; GREENE, HARRY W.; RICHMOND, MILO E.	Geographic and historic variation in the diet and size of the massasauga rattlesnake, <i>Sistrurus catenatus</i> .
9:15 AM	*GOODE, MATT	Variation in growth of the Tiger Rattlesnake (<i>Crotalus tigris</i>)
9:30 AM	BREAK	
9:45 AM		
10:00 AM	*LILLYWHITE, HARVEY B.; ZAIDAN, FREDERIC III; SHEEHY, COLEMAN M. III	Marine Scavenging by Insular Cottonmouth Snakes: Evolutionary Scenario for Invasion of the Sea
10:15 AM	MASHBURN, FRED	Microhabitat Use by Yellow- Bellied Watersnakes (<i>Nerodia erythrogaster flavigaster</i>), in an East Texas Floodplain
10:30 AM	*SASA, MAHMOOD; WASKO, DENNIS K.; PINEDA, WILLY	The effect of snake presence in rodent foraging behavior
10:45 AM	*SHEEHY, COLEMAN M. III; ZAIDAN, FREDERIC III; LILLYWHITE, HARVEY B.	Spatial Ecology and Resource Use by Florida Cottonmouth Snakes: Variation on a Single Island
11:00 AM	*WASKO, DENNIS K.; SASA, MAHMOOD	Spatial Ecology of the Fer-de-Lance (<i>Bothrops asper</i>) in Costa Rica.
11:15 AM	BEAUPRE, STEVEN J.	Long-term responses of Timber Rattlesnakes (<i>Crotalus horridus</i>) to food augmentation.
11:30 AM	*ADASME, RYAN A.; WILLIAMS, MATTHEW I.; GUYER, CRAIG; DONNELLY, MAUREEN A.	Habitat and Prey Selection in two Species of <i>Imantodes</i>
11:45 AM	PILGRIM, MELISSA A.	Microgeographic variation in isotopic composition of rattlesnake prey: implications for using isotopes as dietary indicators.

Sunday, July 10, Salon IV
Fisheries & Management

Moderator: Doug Martin

8:15 AM	*KENDRICK, B. JACOB; NEAR, THOMAS J.	The UT Research Collection of Fishes: Past, Present, and Future
8:30 AM	*GUINDON, KATHRYN Y.; POWELL, CHRISTOPHER R.; BARBIERI, LUIZ R.R.	Measuring catch-and-release mortality of tarpon using ultrasonic telemetry in Boca Grande Pass, FL
8:45 AM	*GRAHAM, RACHEL T.; ROBERTS, CALLUM M.; CARCAMO, RAMON	The impacts of fishing inside a marine reserve: the mutton snapper spawning aggregation fishery at Gladden Spit, Belize
9:00 AM	*LINDEMAN, KEN; APPELDOORN, RICHARD; CLARO, RODOLFO; CAMARENA, TOMAS	Marine protected areas in Cuba, Mexico, and Florida: comparative research and management trends

9:15 AM *TUCKEY, TROY; YOCHUM, Evaluating local vs regional management: A study of tautog
NOELLE; HOENIG, JOHN; LUCY, (*Tautoga onitis*) in Virginia
JON; HEPWORTH, DANIEL;
O'REILLY, ROBERT

9:30 AM Break

Sunday, July 10, Salon IV

Fish Systematics II

Moderator: David Greenfield

10:00 AM *GREENFIELD, DAVID W.; A Survey of the Marine Fishes of Fiji
RANDALL, JOHN E.

10:15 AM *BURR, BROOKS M.; PAGE, Second Edition of Peterson Field Guide to Freshwater
LAWRENCE M. Fishes, Part I: What it tells us about fish diversity.

10:30 AM *PAGE, LAWRENCE M.; BURR, Second Edition of Peterson Field Guide to Freshwater
BROOKS M. Fishes, Part II: What it tells us about fish taxonomy

10:45 AM BART, HENRY L., JR.; Utility of the Growth Hormone gene for estimating
*CLEMMENTS, MARK D.; DOOSEY, phylogenetic relationships among cypriniform fishes
MICHAEL H.; HURLEY, DAVID L.

11:00 AM *TANG, KEVIN L.; MAYDEN, The Cypriniformes Tree of Life (CToL): A Large-Scale,
RICHARD L. International ATOL Initiative

11:15 AM SIMONS, ANDREW M. What we know about cypriniform relationships: a review of
the evidence.

11:30 AM *MA, GWO-CHIN; TSAO, HSIEN- Molecular systematics, population subdivision and
SHAO; YU, HON-TSEN karyotype evolution of the genus *Zacco* (Cyprinidae) in
Taiwan

11:45 AM BOCKMANN, FLÁVIO A.; *DE The *Conorhynchos* conundrum: investigating the
PINNA, M. C. C.; LUNDBERG, J. phylogenetic position of an enigmatic neotropical catfish
G.; FERRARIS, JR., CARL J. (Siluriformes, incertae sedis).

Sunday, July 10, Salon V

Centrarchids Symposium

Moderator: Peter Wainwright

8:00 AM *MAYDEN, RICHARD L.; ROE, Phylogeny of Sunfishes and Basses, Family Centrarchidae
KEVIN J.; HARRIS, PHILLIP M.; (Teleostei Perciformes)
NEELY, DAVID A.; POWERS,
STEVEN L.

8:15 AM *QUATTRO J. M.; GRADY J. M.; Phylogenetic relationships among and phylogeographic
ROHDE, F. C. patterns within rare pygmy sunfishes

8:30 AM CAVENDER, TED M. Phylogenetic information from the Centrarchid fossil record

8:45 AM SMITH, GERALD Centrarchid paleoecology reconstructed from fossil
distributions, morphology, and growth.

9:00 AM NEAR, THOMAS J. Centrarchid fishes as a model system for fossil-calibrated
molecular divergence time estimation

9:15 AM	*BOLNICK, DANIEL I.; NEAR, THOMAS J.	Evolution of post-zygotic isolation in Centrarchidae
9:30 AM	Break	
9:45 AM		
10:00 AM	MABEE, PAULA M.	Evolution of Developmental Traits in the Centrarchidae
10:15 AM	KNOUFT, JASON H.	The relationship between body size evolution and regional species assemblages in Centrarchidae
10:30 AM	WAINWRIGHT, PETER C.	New insights into feeding functional morphology from centrarchid fishes
10:45 AM	COLLAR, DAVID C.	Does morphological disparity evolve at the same rate in two lineages of centrarchid fishes?
11:00 AM	NEFF, BRYAN D.	Sperm competition and alternative mating tactics in bluegill sunfish (<i>Lepomis macrochirus</i> R.)
11:15 AM	KNAPP, ROSEMARY	Neuroendocrinology of reproductive behavior in centrarchids
11:30 AM	ROBINSON, BEREN W.	Are sunfish trophic polymorphisms the emperor's new clothes?
11:45 AM	*MITTELBACH, GARY G.; GARCIA, ERICA A.; TANIGUCHI, YOSHINORI	Extinction and reintroduction of sunfish reveal smooth transitions between ecosystem states

Sunday, July 10, Salon VI

AES Morphology

Moderator: Stephen Kajiura

8:00 AM	*YOPAK, KARA E.; MONTGOMERY, JOHN C.	Comparative morphometrics of the elasmobranch brain: mapping neuromorphology onto behavior and environment
8:15 AM	CORNETT, ANTHONY D.;	Ecomorphology of Shark Electroreceptors
8:30 AM	*RIVERA-VICENTE, A. C.; TRICAS, T.	Functional Subunit Hypothesis in the scalloped hammerhead shark, <i>Sphyrna lewini</i>
8:45 AM	*KAJIURA, STEPHEN M.; TRICAS, TIMOTHY C.; FORNI, JESICA B.; SUMMERS, ADAM P.	Olfaction in sphyrid sharks
9:00 AM	*PORTER, MARIANNE E.; DEAN, MASON N.; SUMMERS, ADAM P.	A hole in the head: spiracle morphology and importance during exercise
9:15 AM	*CASPER, BRANDON M.; MANN, DAVID A.	Dipolar hearing measurements in the horn shark, <i>Heterodontus francisi</i> .

9:30 AM **Break**

Sunday, July 10, Salon VI

AES Morphology & Reproduction

Moderator: George Burgess

10:00 AM	*OLIN, JILL A.; MORRISSEY, JOHN F.	Histological comparison of the retinal structure of deep-water and epipelagic sharks
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10:15 AM	*KASBATI, SABREENA L.; SUMMERS, ADAM P.	Sharks: The Skinny
10:30 AM	APPLEGATE, SHELTON P.	The morphology and uses of shark vertebrae
10:45 AM	*FLAMMANG, BROOKE E.; AZIZI, EMANUEL	The radial muscle: A new chapter in shark tails
11:00 AM	*FARIA, VICENTE V.; MCDAVITT, MATTHEW T.	Trying again two centuries later: an essay on the various species of sawfish (Chondrichthyes, Pristiformes)
11:15 AM	BURRIS, JOHN H.	Morphology and phylogenetic implications of Recent and fossil carcharhiniform shark vertebral centra
11:30 AM	*WYFFELS, JENNIFER T.; MASUDA, MOTOYASU; SAKAI, JUNICHI; ITOH, YOSHIAKI	Transient anatomical features of <i>Scyliorhinus torazame</i> embryos
11:45 AM	*TOVAR-AVILA, J.; WALKER, TERENCE I.; DAY, ROBERT W.	Reproduction of Port Jackson sharks off South-eastern Australia

Sunday, July 10, Salon AB

Herp Reproduction

Moderator: Robert Aldridge

1:30 PM	*WUSTERBARTH, THERESA L.; KING, RICHARD B.; DUVALL, MELVIN R.; GRAYBURN, W. SCOTT; BURGHARDT, GORDON M.	Phylogenetically Widespread Natricine Promiscuity
1:45 PM	*ALDRIDGE, ROBERT D.; COX, JASON M.	Reproductive biology of the massasauga (<i>Sistrurus catenatus</i>) from south-central Illinois
2:00 PM	CARDWELL, MICHAEL D.	Reproductive behavior in a free-ranging population of Mohave rattlesnakes (<i>Crotalus scutulatus scutulatus</i>)
2:15 PM	*FRIEBELE, ELAINE; SWARTH, CHRISTOPHER W.	Potential factors determining hatchling emergence patterns in Red-bellied Turtles (<i>Pseudemys rubriventris</i>)
2:30 PM	*WYNEKEN, JEANETTE; VAUGHAN, JASON; BLAIR, KIMBERLY; CROWDER, LARRY B.; EPPERLY, SHERYAN	Reassessing Loggerhead Sea Turtle Sex Ratios: Empirical Measures, Novel Discoveries
2:45 PM	*PIKE, DAVID A.; ANTWORTH, REBECCA L.; STINER, JOHN C.	Global warming causes earlier nesting in sea turtles: effects on nesting season duration
3:00 PM	RAMÍREZ-BAUTISTA, AURELIO; URIBE-RODRÍGUEZ, JOSE H.; *TORRES-CERVANTES, RICARDO J.; ACEVEDO- SANDOVAL, OTILIO A.	Atypical Reproductive Cycle of the Viviparous Lizard <i>Sceloporus grammicus</i> (Squamata: Phrynosomatidae) from Tepeapulco, Hidalgo, Mexico
3:15 PM	*RAMSDEN, CADHLA; BOGART, JAMES P.	Success through flexibility: Examining the unique reproductive mechanisms of the unisexual <i>Ambystoma</i> complex of mole salamanders.

3:30 PM	*VIEITES, DAVID; NIETO-ROMÁN, SANDRA	Does females lose the control?: post-mating clutch piracy in frogs
3:45 PM	*AMICK, ALISON; MCCOY KRISTA	Plastic gonads: Do they exist?

Sunday, July 10, Salon CD

Turtle Ecology II

Moderator: Kurt Buhlmann

1:30 PM	*GRAYSON, KRISTINE L.; DATTELBAUM, JONATHAN D.; HOFMEYR, MARGARETHA D.	The effect of habitat on the thermal regime and activity of the angulate tortoise, <i>Chersina angulata</i>
1:45 PM	*EICHELBERGER III, CHARLES H.; MARET, TIMOTHY J.	Habitat use by the bog turtle (<i>Glyptemys muhlenbergii</i>) in a south-central Pennsylvanian late-successional wetland
2:00 PM	*DRESLIK, MICHAEL J.; KUHNS, ANDREW K.; PHILLIPS, CHRISTOPHER A.	Demographic Trends of the River Cooter (<i>Pseudemys concinna</i>) Over a Decade of Monitoring
2:15 PM	*BULTÉ, GRÉGORIE; BLOUIN-DEMERS, GABRIEL	Trophic ecology of the common map turtle (<i>Graptemys geographica</i>): an isotopic investigation
2:30 PM	*BUHLMANN, KURT A.; CONGDON, JUSTIN D.; GIBBONS, J. WHITFIELD	Life History of Chicken Turtles (<i>Deirochelys reticularia</i>)
2:45 PM	*MANIS, CHRISTOPHER B.; WILSON, THOMAS P.	Community ecology of an aquatic turtle assemblage in the Tennessee River Gorge
3:00 PM	*MOSS, STEFAN L.; WILSON, THOMAS P.; KELLER, JENNIFER M.; RICHARDS, SEAN M.	Conservation implications of polybrominated diphenyl ethers in two species of turtle from the Tennessee River
3:15 PM	*SABA, VINCENT S.; SANTIDRIÁN TOMILLO, PILAR; REINA, RICHARD D.; SPOILA, JAMES R.; PALADINO, FRANK V.; MUSICK, JOHN A.; EVANS, DAVID A.	The El Niño Southern Oscillation: A biological clock for Eastern Pacific leatherback sea turtles
3:30 PM	*HILL, SHANNON K.; PIERCE, BENJAMIN A.	The basking ecology and community structure of freshwater turtles in Central Texas

Sunday, July 10, Salon GH

Amphibian Behavior

Moderator: Beth Dawson

1:30 PM	* WASSERSUG, RICHARD J.; ROBERTS, L.; GIMIAN, J.; HUGHES, E.; SAUNDERS, R.; DEVISON, D.; WOODBURY, J.; O'REILLY, JAMES C.	The behavioral responses of amphibians and reptiles in microgravity
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1:45 PM	*AMÉZQUITA, ADOLFO; HÖDL, WALTER; LIMA, ALBERTINA; CASTELLANOS, LINA; ERDTMANN, LUCIANA; ARAÚJO, MARIA C.	Masking interference and the evolution of the acoustic communication system of the poison frog <i>Epipedobates femoralis</i>
2:00 PM	*DAWSON, BETH; RYAN, MICHAEL J.	Effect of early acoustic experience in a neotropical frog: do frogs learn their calls?
2:15 PM	*FORESTER, DON C.; CAMERON, MELISSA	Egg Recognition by Desmognathine Salamanders: A Comprehensive Re-examination
2:30 PM	JAEGER, ROBERT G.	Numerical Discrimination by Red-backed Salamanders
2:45 PM	*OWEN, PATRICK C.; TUCKER, JOHN K.	Courtship calls in two species of chorus frogs, genus <i>Pseudacris</i>
3:00 PM	*VILLINGER, JANDOUWE; WALDMAN, BRUCE	MHC-based kin recognition in African clawed frog tadpoles
3:15 PM	*PARMELEE, JEFFREY R.; CHERRY, ALLISON A.; BAKER, SHAWNA L.	Behavior of a Bizarre Salamander, the Lesser Siren (<i>Siren intermedia</i>).
3:30 PM	*WARKENTIN, KAREN M.; CALDWELL, MICHAEL S.; WRIGHT, KRISTEN C.; MCDANIEL, J. GREGORY	Wasp-induced hatching of red-eyed treefrogs: are vibrational cues sufficient?

Sunday, July 10, Salon IJ
Snake Ecology II

Moderator: Randall Reiserer

1:30 PM	REISERER, RANDALL S.	A fortuitous chain of events: How the rattle facilitates quantification of key life-history trade-offs in rattlesnakes
1:45 PM	*WINNE, CHRISTOPHER T.; GIBBONS, J. WHITFIELD	Adaptations of a small aquatic snake (<i>Seminatrix pygaea</i>) to a dynamic habitat: selection on body size and reproduction after aestivating during drought
2:00 PM	*WEAVER, ROBERT E.; BAUER, BLAKE A.	Diet and foraging behavior of the Wandering Garter Snake (<i>Thamnophis elegans vagrans</i>) at Umtanum Creek, Kittitas County Washington.
2:15 PM	*RAY, JULIE M.; KING, RICHARD B.; STANFORD, KRISTIN M.	Snakes gorging on gobies: Positive impacts of an invasive species on a threatened snake
2:30 PM	PLACYK, JOHN S., JR.	Variation in life history traits and population demographics of Michigan gartersnake (<i>Thamnophis sirtalis</i>) populations
2:45 PM	*GREEN, J. JEFFREY; COBB, VINCENT A.	Influence of thermal habitat variation on body temperature selection of an active, diurnal snake, <i>Coluber constrictor</i>
3:00 PM	*FORD, NEIL B.; WIECZOREK, CASEY D.; SEIGEL, RICHARD A.	Factors influencing reproductive traits in western ribbon snakes
3:15 PM	*BOYARSKI, VALERIE L.; SAVIDGE, JULIE A.; RODDA, GORDON H.	Evaluation of juvenile Brown Treesnake (<i>Boiga irregularis</i>) trappability in response to abundance of an introduced skink (<i>Carlia ailanpalai</i>)

Sunday, July 10, Salon IV
Fish Systematics III

Moderator: Jonathan Armbruster

1:30 PM	ARMBRUSTER, JONATHAN W.	Revisions of <i>Lasiancistrus</i> and <i>Peckoltia</i> sensu stricto
1:45 PM	*DEVAERE, STIJN; JANSEN, GUNTHER; ADRIAENS, DOMINIQUE; WEEKERS, PETER	Phylogeny of the African catfish family Clariidae (Siluriformes) based on morphological and combined analyses: roads to anguilliformity
2:00 PM	*JANSEN, GUNTHER; DEVAERE, STIJN; WEEKERS, PETER H.H.; ADRIAENS, DOMINIQUE	Phylogenetic, biogeographic and divergence time analysis of anguilliform air-breathing catfish (Siluriformes: Clariidae) inferred from ribosomal gene and spacer sequences
2:15 PM	*BETANCUR, RICARDO; ACERO, ARTURO; BIRMINGHAM, ELDREDGE; COOKE, RICHARD	Systematics, evolution and biogeography of new world ariids as inferred from mitochondrial, nuclear, and morphological evidence
2:30 PM	NG, HEOK HEE	Phylogenetic relationships of the erethistid catfishes (Teleostei: Siluriformes)
2:45 PM	*ROA-VARON, ADELA; ORTI, GUILLERMO	Characiform Phylogeny
3:00 PM	SCHAEFER, SCOTT A.	Perspectives on the systematics of the African Alestidae (Characiformes)
3:15 PM	SIDLAUSKAS, BRIAN L.	Unequal morphological diversification in sister clades of characiform fishes
3:30 PM	*DE SANTANA, CARLOS D.; ALVES-GOMES, J. A.	Phylogeny of Neotropical ghost electric knifefishes (Gymnotiformes: Apterontidae): new insights from the mitochondrial DNA
3:45 PM	*COX FERNANDES, CRISTINA; HILTON, ERIC J.; SULLIVAN, JOHN P.; CAMPOS-DA-PAZ, RICARDO; LUNDBERG, JOHN G.	Biology and morphology of the enigmatic South American knifefish <i>Orthosternarchus tamandua</i> (Gymnotiformes, Apterontidae)

Sunday, July 10, Salon V
Fish Behavior II

Moderator: Jacqueline Webb

1:30 PM	LAUTH, ROBERT R.	Reproductive Behavior of Atka mackerel (<i>Pleurogrammus monopterygius</i>) in the Aleutian archipelago
1:45 PM	WALTERS, SARAH	Same family, different tunes, a whole lotta love: passive acoustic mapping of <i>Cynoscion nebulosus</i> and <i>Cynoscion arenarius</i> spawning sites in Tampa Bay
2:00 PM	CRAMPTON, WILLIAM G.	Sex-differences in electric signals allow unambiguous species recognition in a syntopic Amazonian assemblage of the knife fish <i>Sternopygus</i> (Gymnotiformes)
2:15 PM	ANDERSON, KATIE A.	Soniferous fishes in the Hudson River: focusing on tidal freshwater Tivoli Bays
2:30 PM	*SANCHO, GORKA; ANDERSON, CAROLINE B.	Do predation risks influence the duration of spawning rushes in reef fishes?

2:45 PM	*ROUNTREE, RODNEY A.; GOUDEY, CLIFF; EKSTROM, KEN; ANDERSON, KATIE	Determination of daily spawning patterns of haddock based on field recordings of vocal activity.
3:00 PM	*TRICAS, TIMOTHY C.; BOYLE, KELLY S.	Is the evolution of pairing behavior in chaetodontid butterflyfishes driven by acoustic communication?
3:15 PM	*LOCASCIO, JAMES V.; MANN, DAVID A.	Diel and seasonal variability in black drum (<i>Pogonias cromis</i>) sound production
3:30 PM	*WEBB, JACQUELINE F.; HERMAN, J. LUCAS; WALSH, R.M.; KETTEN, DARLENE R.; CASPER, BRANDON M.; MANN, DAVID A.	The Ear and Auditory Capabilities of Butterflyfishes with a Laterophysic Connection (Family Chaetodontidae)

Sunday, July 10, Salon VI

AES Reproduction & Nursery Areas

Moderator: James Sulikowski

1:30 PM	*BRACCINI, MATIAS; GILLANDERS, BRONWYN; WALKER, TERENCE	Reproductive parameters for population assessment of <i>Squalus megalops</i>
1:45 PM	*TRINNIE, FABIAN I.; WALKER, TERENCE I.; LAURENSEN, LAURIE; JONES, PAUL	Demographic biology of the sparsely-spotted stingaree <i>Urolophus paucimaculatus</i> from south eastern Australia.
2:00 PM	*ENGEL, KELLY B.; MERSON, REBEKA; HAHN, MARK E.; CALLARD, GLORIA V.	Development of the Little Skate (<i>Raja erinacea</i>) as an In Situ Bioindicator of Environmental Spermatotoxicants
2:15 PM	*AWRUCH, CYNTHIA A.; PANKHURST, NED; FRUSHER, STEWART D.; STEVENS, JOHN D.	Endocrine correlates of the reproductive biology of the oviparous catshark, <i>Cephaloscyllium laticeps</i> (Dumeril, 1853)
2:30 PM	*BIZZARRO, JOSEPH J.; SMITH, WADE D.; MÁRQUEZ-FARIAS, J.F.; HUETER, R.E.	Reproductive biology and fishery aspects of the golden cownose ray, <i>Rhinoptera steindachneri</i> (Evermann and Jenkins, 1891) from the Gulf of California and Pacific coast of Baja California Sur, Mexico
2:45 PM	*HALE, LORI F.; LOWE, CHRISTOPHER G.	Age and growth of the round stingray, <i>Urobatis halleri</i> , at Seal Beach, California
3:00 PM	HENNINGSEN, ALAN D.	Boys will be boys: sexual conflicts in captive sand tiger sharks, <i>Carcharias taurus</i>
3:15 PM	*NICHOLSON, CHERYL H. Z.; LAWRENCE, ANDREW, J.; GIBSON, DAVID	Captive mating in sand tiger sharks (<i>Carcharias taurus</i>)

Monday, July 11, Salon AB**ASIH Amphibian Decline Symposium****Moderator: Ana Carnaval**

8:00 AM	CARNAVAL, ANA CAROLINA O. Q.	Why are we still talking about amphibian declines? Symposium introductory remarks
8:15 AM	*CASTAÑEDA, FRANKLIN; MCCRANIE, JAMES R.	Amphibian population decline in Honduras
8:30 AM	*AGUAYO, RODRIGO; BOSCH, JAIME; DE LA RIVA, IGNACIO	Status of conservation and population declines of amphibians of Bolivia
8:45 AM	*SANTOS-BARRERA, GEORGINA; PACHECO, JESUS; CHAOS, ALVARO; CEBALLOS, GERARDO	Conservation of amphibians and reptiles of Mexico: the role of the Natural Protected Areas
9:00 AM	*DIAVANERA, ANDRÉS H.; BARRERO, MARIA C.	Population declines of <i>Atelopus muisca</i> and <i>Atelopus lozanoi</i> in the highlands of Colombia.
9:15 AM	*HARPER, ELIZABETH B.; PATRICK, DAVID A.G.	Assessing amphibian population declines in an African biodiversity hotspot
9:30 AM	BREAK	
9:45 AM		
10:00 AM	RICHARDS, CORINNE L.	An Integrative Approach to the Conservation of Panamanian Golden Frogs (<i>Atelopus varius</i> and <i>A. zeteki</i>)
10:15 AM	*PUSCHENDORF, ROBERT; BOLAÑOS, FEDERICO	Detection of <i>Batrachochytrium dendrobatidis</i> infections in <i>Eleutherodactylus fitzingeri</i> : effects of stains and body parts used
10:30 AM	*VOYLES, JAMIE L.; CAREY, CYNTHIA; LIVO, LAUREN J.	Evidence of Disruption of Osmotic and Ionic Regulation in <i>Bufo woodhouseii</i> infected with <i>Batrachochytrium dendrobatidis</i>
10:45 AM	*BREM, FORREST M. R.; LIPS, KAREN R.	Differences in infection by <i>Batrachochytrium dendrobatidis</i> among sites, elevation, and habitats in Central Panama
11:00 AM	*WOODHAMS, DOUGLAS C.; ROLLINS-SMITH, LOUISE A.	Amphibian skin peptide defenses against chytridiomycosis, an emerging infectious disease
11:15 AM	*COWMAN, DEBORAH F.; SPARLING, DONALD W.; FELLERS, GARY M.; BICKHAM, JOHN W.; MCCONNELL, LAURA L.; LACHER, THOMAS E.	Pesticides and Amphibian Declines in the Sierra Nevada Mountains, CA
11:30 AM	RUTHIG, GREGORY R.	Interaction between the environment and the infectious disease Saprolegnia on amphibian egg-laying behavior
11:45 AM	*NOGALES, FERNANDO S.; FREIRE, DIANA T.; FERNANDEZ, CARLA H.	Diagnosing <i>Batrachochytrium dendrobatidis</i> in amphibian populations from the Ecuador - Peru Border

Monday, July 11, Salon CD**SSAR Boas & Pythons I Symposium****Moderator: Bob Henderson**

8:00 AM	SHINE, RICHARD	In pursuit of the rainbow serpent: reflections on python research
8:15 AM	SHINE, RICHARD	In pursuit of the rainbow serpent: reflections on python research
8:30 AM	SHINE, RICHARD	In pursuit of the rainbow serpent: reflections on python research
8:45 AM	VIDAL, NICOLAS; DELMAS, ANNE SOPHIE; *HEDGES, S. BLAIR	Higher-level relationships of alethinophidian snakes
9:00 AM	VIDAL, NICOLAS; DELMAS, ANNE SOPHIE; *HEDGES, S. BLAIR	Higher-level relationships of alethinophidian snakes
9:15 AM	*CARMICHAEL, CHRISTOPHER K.; KREISER, BRIAN R.; BARKER, DAVID G.; BARKER, TRACY J.; GILLINGHAM, JAMES C.	Phylogeography of the freckled python, <i>Liasis mackloti ssp.</i> , of Indonesia's Lesser Sundas Archipelago based on multiple character analyses
9:30 AM	BREAK	
9:45 AM		
10:00 AM	*BOBACK, SCOTT M.; CARPENTER, MARK	Body size and head size of island <i>Boa constrictor</i> in Belize: Environmental and genetic contributions
10:15 AM	*CUNDALL, DAVID; DEUFEL, ALEXANDRA; IRISH, FRANCES	Feeding in Boas and Pythons: Motor Recruitment Patterns During Striking
10:30 AM	*FREEMAN, ALASTAIR B.; BRUCE, CAROLINE	Habitat use in two species of tropical boid using roadkill and incidental data.
10:45 AM	MEHTA, RITA S.; *MOON, BRAD R.	The Scaling of Constriction Strength in Snakes
11:00 AM	*REED, ROBERT N.; BOBACK, SCOTT M.; MONTGOMERY, CHAD E.	Ecology and conservation of <i>Boa constrictor</i> in the Cayos Cochinos, Honduras
11:15 AM	*TOLSON, PETER J.; GARCIA, MIGUEL A.; ELLSWORTH, CANDEE L.	Habitat use of the Mona Boa, <i>Epicrates m. monensis</i> , on Isla Mona, WI
11:30 AM	ALEXANDER, GRAHAM J.	Thermal Biology of <i>Python natalensis</i> : Does Temperature Limit Distribution?
11:45 AM	*BURGER, R. MICHAEL; FORD, NEIL B.	Courtship, mating, and alternative reproductive tactics in the Middle American dwarf boa, <i>Ungaliophis continentalis</i>

Monday, July 11, Salon GH**Introduced Amphibians & Reptiles Symposium****Moderator: Todd Campbell**

8:00 AM	INTRODUCTION	
8:15 AM	KOLBE, JASON J.	Evidence for multiple introductions in some <i>Anolis</i> lizard invasions of Florida

8:30 AM	WALGUARNERY, JUSTIN W.	Population variation in behavior during encounters between hatchlings of the green anole and an invasive congener
8:45 AM	TURNBOUGH, NATHAN W.	Impacts of an introduced lizard, <i>Anolis sagrei</i> , on a simple Florida food web
9:00 AM	ECHTERNACHT, ARTHUR C.	The Anoles of the Pacific Region
9:15 AM	*POWELL, ROBERT; HENDERSON, ROBERT W.; ECHTERNACHT, ARTHUR C.	West Indian Amphibians and Reptiles Out of Place
9:30 AM	BREAK	
9:45 AM		
10:00 AM	*KLOWDEN, GREGG S; MOULTON, MICHAEL P.	Demography of Non-indigenous Geckos in Southwest Florida
10:15 AM	KRYSKO, KENNETH L.	Problems with introduced amphibians and reptiles in Florida: It's no longer just a tiny gecko!
10:30 AM	OBERHOFER, LORI; *SNOW, RAY W.	Disposable pets, unwanted giants: pythons in Everglades National Park
10:45 AM	*MOORE, ROBIN D.; GRIFFITHS, RICHARD A.	The impact of a long-term snake introduction on a threatened toad in Mallorca, Spain
11:00 AM	*STITT, ERIC W.; BALFOUR, PETER S.	Watersnakes (<i>Nerodia</i>) in California: Different Fates for Two Introduced Species
11:15 AM	*FITZGERALD, LEE A.; GRANDIS, YOLIMA; TAYLOR, ELIZABETH	Introduction of <i>Tupinambis teguixin</i> to San Andres Colombia, with comments on changes in the herpetofauna of San Andreas and Old Providence since 1600
11:30 AM	*BEARD, KAREN H.; PITT, WILLIAM C.	Potential consequences of the coqui frog invasion in Hawaii
11:45 AM	BURRIDGE, MICHAEL J.	Control and Eradication of Exotic Ticks Introduced into the United States on Imported Reptiles

Monday, July 11, Salon IJ
Salamander Ecology

Moderator: Christopher Beachy

8:30 AM	*HUMPHRIES, W. JEFFREY; WALDRON, JAYME L.	Thinking outside the rocks: Home range, movement, and arboreal site fidelity of the Green Salamander, <i>Aneides aeneus</i> , in the southern Blue Ridge Mountains
8:45 AM	*ADAMS, DEAN C.; ARIF, SAAD; WICKNICK, JILL A.	Defending the Alamo: Compensatory biotic and abiotic forces regulate species distributions in a salamander community
9:00 AM	SCOTT, DAVID E.; *CASEY, ERIN D.; DONOVAN, MICHELE R.; LYNCH, TRACY K.	Amphibian Lipid Levels at Metamorphosis Correlate to Post-metamorphic Terrestrial Survival
9:15 AM	RYAN, TRAVIS J.	Larval ecology of <i>Ambysoma texanum</i> : experimental studies of hydroperiod, density, and growth
9:30 AM	BREAK	
9:45 AM		

10:00 AM	*ROTHERMEL, BETSIE B.; SEMLITSCH, RAYMOND D.	Influence of forest fragmentation on growth and survival of juvenile salamanders (<i>Ambystoma</i> spp.)
10:15 AM	*MILLS, MARK S.; SAMPLE, TEFFANY N.; GODFREY, JENNIFER L.; MOSQUERA, SANDRA; CARTER, MARIAH L.	Reproductive Ecology of an Urban Population of Small-Mouthed Salamanders (<i>Ambystoma texanum</i>): A Four-Year Study
10:30 AM	*NIEMILLER, MATTHEW L.; MILLER, BRIAN T.	Distribution, relative abundance, and notes on the natural history of the Tennessee cave salamander complex (<i>Gyrinophilus palleucus</i>) in Tennessee
10:45 AM	*MILANOVICH, JOSEPH R.; TRAUTH, STANLEY E.	The Reproductive Ecology of the Western Slimy Salamander (<i>Plethodon albagula</i>) from a Mine Shaft in the Ouachita National Forest, Arkansas
11:00 AM	*HARRIS, REID N.; LAUER, ANTJE; DUNCAN, KAREN	Inhibition of pathogenic fungi by cutaneous bacteria of salamanders <i>Hemidactylium scutatum</i> and <i>Plethodon cinereus</i>
11:15 AM	*BERIAULT, KARINE; BOGART, J.P.	What is critical habitat? The case of the Jefferson Salamander.
11:30 AM	*BEACHY, CHRISTOPHER K.; IHLI, LORI S.	Experimental analysis of allocation patterns in ambystomatid salamanders
11:45 AM	*BALL, JAMES C.; BOGART, JAMES P.; MCCUISTION, MICHAEL C.	A Survey of Breeding Salamanders In Cass County, Michigan - Identification of Two New Hybrid Genotypes of the <i>Ambystoma laterale</i> Complex

Monday, July 11, Salon IV

Fish Systematics IV

Moderator: Andrew Kinziger

8:00 AM	*LI, BLAISE; LECOINTRE, GUILLAUME	Towards a Reliability Index for Clades: an Application on Acanthomorph Teleosts
8:15 AM	GILMORE, JR., R. GRANT	Evolution of Species Specific Call Patterns in Sciaenid Fishes: Comparison with Phyletic Analyses Based on Comparative Morphology
8:30 AM	*GHEDOTTI, MICHAEL J.; MOROZE, RYAN M.; DAVIS, MATTHEW P.	Phylogenetic analysis of the Fundulidae, the North American topminnows and killifishes, (Teleostei: Cyprinodontiformes) using morphological data
8:45 AM	*ORTIZ-GALINDO, J.L.; CASTRO- AGUIRRE, J.L.; REYNOSO- ROSALES, V.H.; ANTUNA- MENDIOLA, A.	The phylogeny of the Gerreidae (Teleostei: Percoidei)
9:00 AM	*BUSH, MICHAEL R.; SPARKS, JOHN S.	Revision of the Ponyfish Genus <i>Gazza</i> (Teleostei: Leiognathidae)
9:15 AM	*KINZIGER, ANDREW P.; NEELY, DAVID A.	Molecular Systematics of the Genus <i>Cottus</i> (Scorpaeniformes: Cottidae)
9:30 AM	BREAK	
9:45 AM		
10:00 AM	*MAHON, ANDREW R.; CARPENTER KENT E.	A molecular phylogeny of the percoid superfamily Sparoidea based on the RAG1 gene

10:15 AM	*DOOLEY, JAMES K.; JIMENEZ, LIZANDRA	A preliminary review of the sand tilefish genus <i>Hoplolatilus</i> (Malacanthidae)
10:30 AM	DRASS, D.M.	Preliminary phylogenetic examination of the family Malacanthidae
10:45 AM	*ORR, JAMES W.; HAWKINS, SHARON L.	Systematics of <i>Sebastes aleutianus</i> : Molecular and morphological evidence for a new species of rockfish from Alaska
11:00 AM	*DILLMAN, CASEY B.; WOOD, ROBERT M.	Nuclear Perspectives on <i>Nothonotus</i>
11:15 AM	*GILL, ANTHONY C.; MOOI, RANDALL D.	Gill arches of gobioid fishes and their bearing on relationships
11:30 AM	*NEILSON, MATTHEW; STEPIEN, CAROL A.	Molecular phylogeny of the neogobiin fishes (Gobiidae: Neogobiinae)
11:45 AM	*ASCHLIMAN, NEIL; MCEACHRAN, JOHN D.	A phylogenetic analysis of Batoidea (Elasmobranchii) based on morphological data

Monday, July 11, Salon V
Fish Physiology II

Moderator: Rodney Rountree

8:00 AM	*MANN, DAVID; POPPER, ARTHUR; WILSON, BEN	Herring Hearing Does Not Include Ultrasound
8:15 AM	HILL, RANDY J.	Ground-truthing hearing measurements using auditory evoked potential techniques against behavioral conditioning in the goldfish, <i>Carassius auratus</i>
8:30 AM	*HORODYSKY, A.Z; LATOUR, R.J.; MUSICK, J.A.; DEFFENBAUGH, B.; BRILL, R.W.	Hearing abilities of sciaenid fishes determined via auditory brainstem response using a novel echo-cancellation algorithm
8:45 AM	*LYNN, SCOTT G.	Cloning and expression of genes associated with sexually dimorphic growth in yellow perch (<i>Perca flavescens</i>)
9:00 AM	*COLEMAN, RONALD M.; BERKE, ALLISON P.	Storms, growth and egg size in riverine neotropical cichlids
9:15 AM	LOBEL, LISA K.	Field studies evaluation developmental and reproductive effects of chemical exposure in the coral reef fish, <i>Abudefduf sordidus</i> (Pomacentridae)
9:30 AM	BREAK	
9:45 AM		
10:00 AM	DICKSON, KATHRYN A.; *DUONG, CINDY A.	The contribution of mitochondrial proton leak as a heat source in lamnid sharks
10:15 AM	*DRAZEN, JEFFREY C.; BIRD, LARRY E.; BARRY, JAMES P.	Development of a hyperbaric trap-respirometer for the capture and maintenance of live deep-sea organisms
10:30 AM	*SANTOS, SIMONE H. D.; STEFANI, MÁRCIO N.; DUNCAN, WALLICE L. P.; COSTA, OSCAR T.; ARAÚJO, MARIA LÚCIA G.	Macroscopic and hematologic analysis of lesions caused by <i>Potamotrygon cf hystrix</i> in <i>Oryzias latipes</i>
10:45 AM	*NICHOLS, BRYAN; MANN, DAVID	Characterizing Sound Production in Nearshore Rockfish (<i>Sebastes</i> spp.)

11:00 AM	*RICHARDSON, AMANDA L.; SNODGRASS, JOEL W.; TRUSHEL, BRITTANY E.	Lipid cycling in blacknose dace (<i>Rhinichthys atratulus</i>) populations along a rural-urban gradient
11:15 AM	LEMA, SEAN C.	Ecophysiology and evolution of behavior and brain in a Death Valley pupfish
11:30 AM	*SCHAEFER, JAKE F.; GIDO, KEITH B.; REECK, GERALD; NAVDEEP, MUTTI; RYAN, ANTHONY; KERFOOT, JAMES	Effects of variable and stable thermal regimes on growth, thermal tolerance and thermal preference of zebrafish

Monday, July 11, Salons VI

AES Reproduction

Moderator: Buck Snelson

8:00 AM	*DIBATTISTA, JOSEPH D.; FELDHEIM, KEVIN A.; HENDRY, ANDREW P.; GRUBER, SAMUEL H.	Juvenile lemon sharks, <i>Negaprion brevirostris</i> , do not form kin-based associations in a tropical nursery lagoon at Bimini, Bahamas
8:15 AM	*MCCOMB, MICHELLE D.; GELSLEICHTER, J.; MANIRE, C.A. ; BRINN, R.P.; BROWN, C.L.	Comparative thyroid hormone concentration in maternal serum and yolk of the bonnethead shark (<i>Sphyrna tiburo</i>)
8:30 AM	*LUTTON, BRAM V.; CALLARD, IAN P.	The Elasmobranch Epigonal-Ovarian Complex (EOC): Regulation of leukocyte turnover by Sex Hormones
8:45 AM	*GELSLEICHTER, JIM; COX, HEATHER	Vitellogenin as a biomarker of xenoestrogen exposure in the bonnethead shark, <i>Sphyrna tiburo</i> .
9:00 AM	*TRIBUZIO, CINDY A.; GALLUCCI, VINCENT F.; SWANSON, PENNY; BARGMANN, GREG	Reproductive Endocrinology and Estimation of Demographic Parameters of Puget Sound Spiny Dogfish
9:15 AM	*DAVENPORT, IAN R.; WOURMS, JOHN P.	The Early Evolution of Viviparity in Elasmobranch Fishes Leads to Extreme Remodelling of the Vertebrate Follicle.
9:30 AM	Break	

Monday, July 11, Salons VI

AES Life History, etc...

Moderator: Colin Simpfendorfer

10:00 AM	*SULIKOWSKI, JAMES; KNEEBONE, JEFF; ELZEY, SCOTT; HOWELL, HUNTING; TSANG, PAUL	Determination of age and size at sexual maturity for the thorny skate, <i>Amblyraja radiata</i> , using morphological, histological and steroid hormone analyses.
10:15 AM	*QUEIROZ, NUNO; MAIA, ANABELA; LIMA, FERNANDO; RIBEIRO, PEDRO A.; CORREIA, JOÃO P.; SANTOS, ANTÓNIO M.	Growth and reproduction of <i>Centroscymnus coelolepis</i> , <i>Centrophorus squamosus</i> and <i>Prionace glauca</i> off the Portuguese coast
10:30 AM	*JONES L.M.; DRYMON M.; JOHNSON K.A.	Age and growth of the smooth dogfish, <Mustelus canis>, and the Florida smoothhound, <M. norrisi>, in the U.S. Gulf of Mexico.

10:45 AM	EBERT, DAVID A.	Reproduction, diet, and habitat utilization of leopard sharks, <i>Triakis semifasciata</i> , in Humboldt Bay, California, U.S.A.
11:00 AM	*GERVELIS, BRIAN J.; NATANSON, LISA J.	Age and growth of the thresher shark, <i>Alopias vulpinus</i> , in the northwest Atlantic Ocean
11:15 AM	*WALSH, CATHY J.; LUER, CARL A.; BODINE, A.B.; SCOTT, THOMAS R.; WU, YONNIE	Further characterization of tumor cell growth inhibitory activity in epigonal conditioned medium (ECM) from bonnethead shark, <i>Sphyrna tiburo</i>
11:30 AM	*POWELL, BENJAMIN C.; RITCHIE, KIMBERLY B.; GELSLEICHTER, JIM; LUER, CARL A.	Analysis of the antibiotic properties of the epidermal mucus of the Atlantic stingray, <i>Dasyatis sabina</i> , conferred by associated bacterial symbionts
11:45 AM	*FISK, AARON; STRID, ANNA; MATTIASSON, KARIN; JORUNSDOTTIR, HRONN; TOMY, GREGG; SVAVARSSON, JORUNDUR; PAPKE, OLAF; BERGMAN, AKE	Everything under the sun: Contaminants in the Greenland shark

Monday, July 11, Salon AB

ASIH Amphibian Decline Symposium (cont.) Moderator: Stephen Richter

1:30 PM	RICHTER, STEPHEN C.	Detection of historic population declines using contemporary genetic data
1:45 PM	*GOLDBERG, CAREN S.; SWANN, DON E.; WALLACE, J. ERIC	Genetic structure of remaining Lowland Leopard Frog populations in southeastern Arizona
2:00 PM	*ZUMBADO-ULATE, HECTOR H.; BOLAÑOS, FEDERICO	Conservation genetics of the frog <i>Eleutherodactylus ranoides</i> (<i>Rugulosus</i> group) in Guanacaste, Costa Rica.
2:15 PM	KARRAKER, NANCY E.	Impacts of road de-icing salt on water quality in vernal pools and the demography of amphibians
2:30 PM	HAWLEY, TANYA J.	Composition and ecological similarity of amphibian communities in modified habitats in the canal zone of Panama
2:45 PM	*BRENES, ROBERTO; LIPS, KAREN R.	Patterns of Decline in a Tropical Montane Tadpole Community
3:00 PM	BREAK	
3:15 PM		
3:30 PM	KAISER, KRISTINE	Evaluation of the Maya Forest Amphibian Monitoring Project protocol in Central America
3:45 PM	*VILLANUEVA-RIVERA, LUIS J.; ACEVEDO, MIGUEL A.	Automated digital recording systems as effective tools for the monitoring of tropical vertebrates
4:00 PM	*ANGULO, ARIADNE; LA MARCA, ENRIQUE	Issues of species identity and how these can bias population assessments
4:15 PM	DISCUSSION	

Monday, July 11, Salon CD**SSAR Boas & Pythons II Symposium (cont.) Moderator: Bob Henderson**

1:30 PM	*CHIARAVIGLIO, MARGARITA; BERTONA, MIGUEL	Reproductive Ecology of the Argentine Boa Constrictor and Implications for Conservation
1:45 PM	*DORCAS, MICHAEL E.; PETERSON, CHARLES R.	The Physiology and Ecology of the Rubber Boa (<i>Charina bottae</i>) in Southeastern Idaho
2:00 PM	*GRACE, MICHAEL S.	Vision and infrared imaging: development and functional organization of multi-modal predatory targeting in boid snakes
2:15 PM	*SECOR, STEPHEN M.; OTT, BRIAN D.	Adaptive regulation of digestive performance by boas and pythons
2:30 PM	YOUNG, BRUCE A.	Response of the yellow anaconda, <i>Eunectes notaeus</i> , to aquatic pressure waves
2:45 PM	*OTT, BRIAN D.; SECOR, STEPHEN M.	Metabolic response to feeding for boas and pythons
3:00 PM	BREAK	
3:15 PM		
3:30 PM	DISCUSSION	

Monday, July 11, Salon GH**Introduced Amphibians & Reptiles (cont.) Moderator: Todd Campbell**

1:30 PM	VICE, DANIEL S.	Large scale management of an invasive reptile: brown treesnake control on Guam.
1:45 PM	HAWLEY, NATHANIEL B.	Custom Trucks, Radio Snake Jingles, and Temporary Tattoos: An Overview of a Successful Public Awareness Campaign Related to Brown Treesnakes in the Commonwealth of the Northern Mariana Islands (CNMI)
2:00 PM	*CAMPBELL, TODD S.; KLOWDEN, GREGG S.; HANKINS, KRAIG R.	Roles of local stakeholders in managing introduced Nile monitors in Florida
2:15 PM	*CAMPBELL, KYM ROUSE; CAMPBELL, TODD S.	Established introduced lizards: a boundless supply of biological material
2:30 PM	SMITH, KEVIN G.	Patterns of nonindigenous herpetofaunal richness and biotic homogenization in Florida.
3:00 PM	BREAK	
3:15 PM		
3:30 PM	ENGE, KEVIN M.	Realistically dealing with Florida's exotic species dilemma
3:45 PM	KRAUS, FRED	Invasion pathways for alien reptiles and amphibians
4:00 PM	RODDA, GORDON H.	How well do species attributes identified from other invasive taxa fit invasive herps?
4:15 PM	CAMPBELL, EARL W.	Are we Nero fiddling while Rome is burning? Addressing the issue of introduced reptiles and amphibians instead of documenting a slow decline.

4:30 PM PANEL
4:45 PM DISCUSSION

Monday, July 11, Salon IJ
Fish Behavior III

Moderator: Ann Cleveland

- 1:30 PM *CLEVELAND, ANN; JACKSON, HEATHER R.; VERDE, E. ALAN Behavioral Comparisons of Two Sympatric Clownfish Species (*Amphiprion clarkii* and *A. perideraion*) as Symbionts of the Anemone *Heteractis crispa*
- 1:45 PM *WHITNEY, NICHOLAS M.; TAQUET, MARC; GIRARD, CHARLOTTE; BRILL, RICHARD W.; HOLLAND, KIM N.; DAGORN, LAURENT Swimming Depth of the Dolphinfish (*Coryphaena hippurus*) from Active and Passive Telemetry
- 2:00 PM *HILDEBRAND, HEATHER L.; WELSH, STUART A. Environmental cues to upstream migration of *Anguilla rostrata* in the lower Shenandoah River, upper Potomac River drainage
- 2:15 PM *BREELAND, TARA B.; STRAUSS, RICHARD E. School and Shoal Distributions in a Freshwater Catfish Species, *Corydoras paleatus* (Callichthyidae)
- 2:30 PM *MEISTER, H. SCOTT; SEDBERRY, GEORGE R.; MCGOVERN, JOHN C.; WYANSKI, DAVID M.; HARRIS, PATRICK J. Results of a tag and recapture study of gag, *Mycteroperca microlepis*, and greater amberjack, *Seriola dumerili*, along the southeastern U.S.
- 2:45 PM SKYFIELD, JESSICA P.; *ELKINS, DUNCAN C.; RATAJCZAK, JR., ROBERT E.; HAZELTON, PETER D.; GROSSMAN, GARY D.; CARLISLE, ELIZABETH Effects of rainbow trout upon a native Appalachian cyprinid
- 3:00 PM **BREAK**
- 3:15 PM
- 3:30 PM *HOLT, DAN; JORDAN, FRANK; CHAMPAGNE, CAROLINE; JELKS, HOWARD L. Marking studies of brown darters and endangered Okaloosa darters
- 3:45 PM *ZAMOR, RICHARD M.; GROSSMAN, GARY; RATAJCZAK, ROBERT E. Effects of turbidity on reactive distance and capture success in the drift feeding stream minnow, Rosyside Dace (*Clinostomus funduloides*)
- 4:00 PM *NGUYEN, ROSALEE M.; CROCKER, CARLOS E. The Effects of Substrates on Foraging Behavior and Growth Rate of Larval Green Sturgeon, *Acipenser medirostris*
- 4:15 PM TURINGAN, RALPH G.; SAMARCO, THOMAS J. Feeding through contrasting hydrodynamic regimes: prey capture performance in larval and juvenile teleost fish

Monday, July 11, Salon IV**Fish Systematics V/Fish Development****Moderator: Robert Wood**

- 1:30 PM ***WOOD, ROBERT M.; DILLMAN, CASEY B.; RAY, JEFF; MAYDEN, RICHARD L.; KUHAJDA, BERNARD R.** Molecular Systematics of the Shovelnose Sturgeons (Scaphirhynchinae) of North America and Central Asia
- 1:45 PM ***LANG, NICHOLAS J.; ROE, KEVIN J.; MAYDEN, RICHARD L.; CHAPLEAU, FRANCOIS C.; GILL, HOWARD S.; POTTER, IAN C.; RENAUD, CLAUDE B.** Molecular systematics of lampreys (Petromyzontiformes).
- 2:00 PM ***LAVOUE, SEBASTIEN; MIYA, MASAKI; SAITOH, KENJI; ISHIGURO, NAOYA B.; INOUE, JUN G.; NISHIDA, MUTSUMI** Molecular phylogeny of the Clupeiformes (Teleostei) inferred from whole mitogenome sequences
- 2:15 PM ***BASS, ANNA L.; DEWAR, HEIDI; THYS, TIERNEY; STREELMAN, J. TODD; KARL, STEPHEN A.** Grinding the millstone: Evolutionary divergence within the ocean sunfish, Molidae (Tetraodontiformes)
- 2:30 PM **MELO, MARCELO R.S.** Deep-sea angilliforms and saccopharyngiforms (Osteichthyes: Elopomorpha) collected on the Brazilian continental slope between 11° and 23° South
- 2:45 PM ***KONINGS, ADRIANUS F.; STAUFFER JR., JAY R.** Morphological and behavioral support for the break-up of the genus *Pseudotropheus*
- 3:00 PM **BREAK**
- 3:15 PM
- 3:30 PM ***HO, HSUAN-CHING; PIETSCH, THEODORE W.; SHAO, KWANG-TSAO** The revision of deep-sea anglerfishes (Lophiiformes: Ceratioidei) in Taiwan, with descriptions of four new species
- 3:45 PM **FIERSTINE, HARRY L.** *Aglyptorhynchus*, an extinct billfish (Perciformes: Xiphioidei: Palaeorhynchidae) with a mobile rostrum and head
- 4:00 PM ***RAPP PY-DANIEL, LUCIA H.; LUNDBERG, JOHN G.; TORRENTE-VILLARA, GISLENE** Angels with barbelled faces: a fanciful new heptapterid catfish from Brazil
- 4:15 PM ***MOREIRA, CRISTIANO R.; BICHUETTE, MARIA E.; OYAKAWA, OSVALDO T.; DE PINNA, MÁRIO C.; TRAJANO, ELEONORA** Rediscovery of *Stygichthys typhlops* Brittan & Bouhlke, an subterranean characiform fish from Jaiba, Eastern Brazil
- 4:30 PM ***MASLENIKOV, KATHERINE P.; ORR, JAMES W.** The Comic Snailfish: an abundant new species of *Careproctus* (Liparidae) from the Aleutian Islands
- 4:45 PM ***GEERINCKX, TOM; ADRIAENS, DOMINIQUE** Growth and developmental features in young suckermouth catfish (*Ancistrus* cf. *triradiatus*, Loricariidae, Siluriformes)
- 5:00 PM ***HUYSENTRUYT, F.; ADRIAENS, D.; DEVAERE, S.** Early development and allometric growth in the armoured catfish *Corydoras aeneus*

Monday, July 11, Salon V**Fish Morphology II****Moderator: Jeff Janovetz**

- 1:30 PM *MOTTA, PHILIP J.; HUETER, ROBERT E.; HUBER, DANIEL R.; LOWRY, DAYV; MARA, KYLE R.; MATOTT, MICHAEL P.; WHITENACK, LISA B.; WINTZER, ALPA P. Suction performance and feeding biology of the nurse shark *Ginglymostoma cirratum*.
- 1:45 PM JANOVETZ, JEFF The Kinematics of Biting Prey Capture in Pacus, Silver Dollars, and Piranhas
- 2:00 PM *SAMARCO, THOMAS J.; TURINGAN, RALPH G. Variation in Feeding Functional Morphology and Prey Capture Performance Between Wild and Hatchery Red Drum, *Sciaenops ocellatus*
- 2:15 PM *SUMMERS, ADAM P.; KOOB, THOMAS J. Hot and cold skeletons - the effect of temperature on the properties of cartilage
- 2:30 PM WOODS, PAMELA J. Geographical variation in the ontogeny of body shape: a geometric morphometric analysis of the shiner perch *Cymatogaster aggregata* (Labroidei: Embiotocidae)
- 2:45 PM *RUEHL, CLIFTON B.; SHERVETTE, VIRGINIA; DEWITT, THOMAS J. Scale of morphological variation in estuarine fish species
- 3:00 PM BREAK

Monday, July 11, Salon V**Fish Genetics****Moderator: Axayacatl Rocha-Olivares**

- 3:30 PM DÁVILA-ORTIZ, JORGE; LYNN, ERIC; KIMBRELL, CAROL; BUONACCORSI, VINCENT; VETTER, RUSSELL; *ROCHA-OLIVARES, AXAYÁCATL Environmental and possible anthropogenic impacts on the genetic variability and structure of bocaccio *Sebastes paucispinis* off the Canadian, US, and Mexican Pacific coasts
- 3:45 PM *CLARKE, ANNA L.; GROSE, MICHAEL J. Genetic divergence and population genetic structure in the sister species pair *Ammocrypta bifascia* and *A. beanii*, with comments on a possible new species.
- 4:00 PM *CREER, DOUGLAS A.; TREXLER, JOEL Population Genetics and Metapopulation Dynamics of Bluefin Killifish in a Seasonally Variable Wetland
- 4:15 PM *ROBBINS, STACEY N.; CHAPMAN, ROBERT W. Can Marine Protected Areas conserve genetic diversity in tomtate, *Haemulon aurolineatum*?
- 4:30 PM STEPIEN, CAROL A.; FORD, ALEXANDER; *SEPULVEDA VILLET, OSVALDO Population genetic structure of yellow perch in the Great Lakes: A comparison with eastern North American populations

4:45 PM *STEPIEN, CAROL A.; STRANGE, REX M. Population genetic structure and geographic patterns of smallmouth bass in the Great Lakes

Monday, July 11, Salons VI

AES Fishery Mgt. & Conservation

Moderator: Enric Cortes

1:30 PM BREWSTER-GEISZ, KARYL Atlantic shark species-specific management: Is it possible?

1:45 PM HUDSON, RUSSELL H. Commercial Shark Industry Perspective About Large Coastal Sharks (LCS) of the Atlantic Ocean region.

2:00 PM *COURTNEY, DEAN L.; GAICHAS, SARAH; BOLDT, JENNIFER; GOLDMAN, KENNETH J.; TRIBUZIO, CINDY Shark Bycatch in Alaskan Federal Waters

2:15 PM *SIMPENDORFER, COLIN A.; DUDLEY, SHELDON F. J. Population status of 14 shark species caught in the KwaZulu-Natal beach protection program

2:30 PM *HA, DANIEL S.; MUSICK, JOHN A. Insights from analysis of 30 years of Virginia shark long-line survey data.

2:45 PM *HEUPEL, MICHELLE R.; SIMPENDORFER, COLIN A. Can MPAs be effective for managing a mobile shark population?

3:00 PM **BREAK**

Moderator: Samuel Gruber

3:30 PM *GEDAMKE, TODD; HOENIG, JOHN M. Using demographic models to determine sustainable fishing for elasmobranchs: pitfalls, advances and applications

3:45 PM *SEITZ, JASON C.; POULAKIS, GREGG R. Non-fishery related anthropogenic and natural effects on the smalltooth sawfish (*Pristis pectinata*) in Florida, with a summary of these effects on sawfishes worldwide

4:00 PM *GRAHAM, RACHEL T.; ROBERTS, CALLUM M. Movement of large fish and the design of marine reserve networks: results from a 5-year study of whale sharks in the Western Caribbean

4:15 PM *CURTIS, TOBEY H.; BURGESS, GEORGE H. The occurrence of white sharks, *Carcharodon carcharias*, off the southeastern United States, and their presence in fisheries.

4:30 PM *HEITHAUS, MICHAEL R.; WIRSING, AARON J.; DILL, LAWRENCE M.; HAMILTON, IAN M. Microhabitat use of tiger sharks in Shark Bay, Western Australia: predator-prey interactions at multiple spatial scales

4:45 PM *DALY-ENGEL, TOBY S.; HOLLAND, KIM N.; GRUBBS, R. DEAN; TOONEN, ROBERT J.; BOWEN, BRIAN W. Multiple paternity assessments for three species of congeneric sharks (*Carcharhinus*) in Hawaii

Poster Presentations

Poster Session I – Friday, July 8

- | | | |
|----|---|---|
| 1 | IAFRATE, JOSEPH; OLIVEIRA, KENNETH | Early and Late Migration Strategies of Juvenile River Herring |
| 2 | *PARK, PETER J.; BELL, MICHAEL A.; NOMAKUCHI, SHINTARO | Interpopulation Variation of Spatial Learning and Telencephalon Shape in Threespine Stickleback Fish (<i>Gasterosteus aculeatus</i>) |
| 3 | PEIMAN, KATHRYN; *ROBINSON, BEREN W. | Competition and the evolution of heterospecific aggressive behaviour in brook stickleback |
| 4 | LOCASCIO, JAMES V.; MANN, DAVID A. | Love in the Eye of the Storm: Hurricane Charley Did Not Impact Fish Chorusing |
| 5 | *BUCK, KELLY M.; MORENO, GALA; SANCHO, GORKA | Dietary patterns of predatory fishes at drifting fish aggregating devices (FADs) in the Indian Ocean |
| 6 | *BICKFORD, JOEL; LOWERRE-BARBIERI, SUSAN; WALTERS, SARAH | Determining the number of ultrasonic receivers needed to evaluate fish residence times. |
| 7 | COCHRAN, JENNIFER L. | Use of fallen trees for spawning by the spotfin shiner (<i>Cyprinella spiloptera</i>) in the Upper Mississippi River |
| 8 | *DEBOSE, JENNIFER L.; NEVITT, GABRIELLE A. | Dimethyl sulfide and associated chemicals as aggregation cues for pelagic fishes and squid |
| 9 | *HABIT, EVELYN; BELK, MARK; VICTORIANO, PEDRO; JAQUE, EDILIA | Influence of physical factors and introduced rainbow trout on zonation patterns of native fishes in Chilean coastal rivers |
| 10 | *KLEIN-MAJORS, SEASON; CROWE, MARY | Correlations between the Distributions of the Atlantic Stingray (<i>Dasyatis sabina</i>) and the Southern Stingray (<i>Dasyatis americana</i>) and Salinity Profiles in Winyah Bay, South Carolina. |
| 11 | *MURIE, DEBRA J.; DEBICELLA, JACLYN M.; O'DAY, PATRICK; BERENS, ELIZABETH; KLINE, RICHARD J.; LEONARD, EDWARD E.; LINDBERG, WILLIAM J.; BUTLER, MARK; MARCINEK, DOUGLAS; MASON, DORAN M. | Consumption Rates in Relation to Abundance of Gag Residing on Artificial Reefs of Contrasting Size off the West Coast of Florida |
| 12 | *NICO, LEO G.; JELKS, HOWARD L. | Probable Establishment and Potential Ecological Impacts of Black Carp (<i>Mylopharyngodon piceus</i>) in US Waters |
| 13 | *O'CONNELL, ANN U.; O'CONNELL, MARTIN T.; HASTINGS, ROBERT W. | Meta-analysis of estuarine fish assemblage data using a new taxonomic-based method |
| 14 | PARKYN, DARYL C. | Realized Thermal Niche of Gulf of Mexico Sturgeon in the Suwannee River, Florida |
| 15 | *SHIBUYA, AKEMI; TEIXEIRA, ROSINALDA; BARCELLOS, FERNANDO M.; DUNCAN, WALLICE P.; ARAÚJO, LÚCIA M. | Preliminary Results on the Diet of the <i>Potamotrygon</i> Species from Rio Negro Basin, Amazonas, Brazil |

- 16 ***SMEDLEY, KIRA M.; GIBBS, MELISSA A.; WORK, KIRSTEN A.** Diet analysis of the exotic catfish, *Pterygoplichthyes disjunctivus*, in Volusia Blue Springs, Florida
- 17 ***SPAETH, JOHN P.; SCHAEFER, J.; KREISER, B.; RAMIREZ, R.** The effects of unfavorable habitat on the dispersal of *Campostoma anomalum* (Cyprinidae) as measured by microsatellites.
- 18 ***TRUSHEL, BRITTANY E.; RICHARDSON, AMANDA L.; SNODGRASS, JOEL W.** Variation in stream fish sexual dimorphism across a rural-urban gradient
- 19 **VASSILOPOULOU, VASSILIKI** Condition measures of a deep-sea flatfish as indicators of habitat quality in north-eastern Mediterranean waters.
- 20 **WALSH, STEPHEN J.; TATE, WILLIAM B.; BURGESS, MATTHEW A.; GERWIG, ROBERT M.** Fish assemblages of the Apalachicola River floodplain in relation to altered hydrology
- 21 **SHERVETTE, VIRGINIA R.; *AGUIRRE, WINDSOR E.; CEVALLOS, RODRIGO; GONZALES, MARCELO; POZO, FRANCISCO; BLACIO, ENRIQUE; GELWICK, FRANCES** Fish communities of a disturbed mangrove wetland and an adjacent tidal river in Palmar, Ecuador
- 22 **BURKHEAD, NOEL M.; JELKS, HOWARD L.; WALSH, STEPHEN J.; CONTRERAS-BALDERAS, SALVADOR; DÍAZ-PARDO, EDMUNDO; HENDRICKSON, DEAN A.; LYONS, JOHN; MANDRAK, NICHOLAS E.; MCCORMICK, FRANK; NELSON, JOSEPH S.; PLATANIA, STEVEN P.; PORTER, BRADY A.; RENAUD, CLAUDE** Revision of the American Fisheries Society list of imperiled freshwater and diadromous fishes of North America.
- 23 ***EVERT, JASON D.; CAILTEUX, RICHARD L.; RICE, MICHAEL D.** Historic and recent collections of *Ameiurus serracanthus* and *Ameiurus brunneus* in Florida
- 24 **LI, CHENHONG; *BESSERT, MICHAEL L.; ORTI, GUILLERMO** Conservation Genetics of the Plains Topminnow (*Fundulus sciadicus*)
- 25 ***SMILEY, PETER C., JR.; KING, KEVIN W.; FAUSEY, NORMAN R.** Evaluating habitat and fish community responses to conservation practices in headwater streams of Upper Big Walnut Creek
- 26 **LYNCH, ABIGAIL J.; LEMOND, LEE J.; KOPENY, MARK T.; GRADY, JAMES M.; MATTHEWS, WILLIAM J.** Conservation Status of the Spotted Form of the Margined Madtom *Noturus insignis*
- 27 **WYCKOFF, GEORGE R.; NIEMILLER, MATT L.; GLORIOSO, BRAD M.; MILLER, BRIAN T.** Chronology of breeding migrations of five ambystomatid salamanders, in a complex wetland community
- 28 **ANTHONY, CARL D.; *VENESKY, MATTHEW; HICKERSON, CARI-ANN M.** Interactions between native and introduced guild members: responses of juvenile terrestrial salamanders to predatory invertebrates
- 29 **BUTLER, J. MICHAEL** Natural Fragmentation of Salamander Populations Due to Moisture Gradients

- 30 ***TODD, JASON M.; NIEMILLER, MATT; MILLER, BRIAN T.** Observations on Subterranean Aquatic Habitat Use and Early Nesting by the Southern Two-lined Salamander (*Eurycea cirrigera*)
- 31 **GREEN, TIMOTHY M.; FEINBERG, JEREMY A.; SIERRA, RAFAEL; *TITUS, VALORIE R.** Monitoring recruitment of the New York State endangered eastern tiger salamander using annual egg-mass surveys
- 32 ***RANSOM, TAMI S.; JAEGER, ROBERT G.** The response of a 'putty' species to intraguild removals: interactions among salamanders
- 33 ***MILLER, BRIAN T.; NIEMILLER, MATTHEW L.** A survey for stream-dwelling hemidactyline salamanders in caves of middle and eastern Tennessee
- 34 ***LIEBGOLD, ERIC B.; JAEGER, ROBERT G.** Dispersal and potential kin discrimination in red-backed salamanders, *Plethodon cinereus*
- 35 ***KAM, YEONG-CHOY; LAI, YUNG-CHIH; SHIEH, BO-SEN** Population patterns of a riparian frog (*Rana swinhoana*) before and after an earthquake in subtropical Taiwan
- 36 ***HAMPTON, PAUL M.; NICHOLSON, M. L.** Ecology of *Siren intermedia* in an isolated pond
- 37 ***ENG, LAURIE A.; WILDY, ERICA L.; SUESS, ERIC A.** The Effects of Density and Food on Morphology and Behavior in Larval *Ambystoma macrodactylum columbianum*
- 38 ***DUNCAN, KAREN; LAUER, ANTJE; HARRIS, REID N.** Analysis of the cutaneous bacterial community of the salamander, *Plethodon cinereus*: casuals and epibionts
- 39 ***CUPP, PAUL V., JR.; BRODIE, EDMUND D., JR.** Thermal tolerance and acclimation in the salamanders, *Eurycea quadridigitata* and *Eurycea chamberlaini* from South Carolina
- 40 ***SAVITZKY, BARBARA; SPONTAK, DANA; DRAWDY, AURORA; BREEDEN, STEPHANIE** Red-backed Salamanders (*Plethodon cinereus*) in an Urban Preserve in the Coastal Plain of Virginia
- 41 ***DÍAZ DE PASCUAL, AMELIA; GUERRERO, CHERLY** Diet of *Rana Catesbeiana* (Shaw 1802: Ranidae: Amphibia) introduced into the Andes of Venezuela
- 42 **PETERSON, JOHN D.; *WOOD, MARANDA B.; HOPKINS, WILLIAM A.; MENDONCA, MARY T.** Chytridiomycosis prevalence in *Rana catesbeiana* and *R. sphenocéphala* at the Savannah River Site, South Carolina.
- 43 ***TOUCHON, JUSTIN C.; VONESH, JAMES R.; WARKENTIN, KAREN M.** Variation in larval predation risk across breeding sites of two hylid frogs
- 44 ***MENZEL, EVAN J.; HUNKAPILLER, TIMOTHY R.; DRESLIK, MICHAEL J.; MUI, JENNIFER M.** Post-breeding spatial ecology of male *Rana sylvatica*
- 45 **CRNKOVIC, AMANDA C.** African Frog Toe Biters: Predaceous Diving Beetle Larvae (Coleoptera: Dytiscidae) Found Attached to Specimens of *Pyxicephalus* (Anura: Ranidae)
- 46 ***LINER, ANNA E.; CASTLEBERRY, STEVEN B.; SMITH, LORA L.; GIBBONS, J. WHITFIELD** Wetland predictors of amphibian diversity and distribution in southwest Georgia

- 47 **SMITH, LORA L.; STEEN, DAVID A.;** Herpetofauna of Ichauway: Diversity, Habitat and Current
***MILLER, GABRIEL J.; STERRETT,** Research
SEAN C.
- 48 ***RICE, AMANDA N.; RICE,** Measuring Everglades restoration success through the use of
KENNETH G.; MAZZOTTI, FRANK Amphibian communities
J.; WADDLE, J. HARDIN
- 49 ***SMITH, LORA L.; STEEN, DAVID** Patterns of amphibian migration at a depressional wetland in
A.; HOSS, SHANNON K.; MILLER, southwest Georgia
GABE J.; STERRETT, SEAN C.;
BORG, CHRIS
- 50 **VILLANUEVA-RIVERA, LUIS J.** Reducing size, weight, and time drift of Frogloggers using
digital recorders and microprocessors
- 51 ***WILD, ERIK R.; ORLOFSKE,** A temporal comparison of anuran biodiversity in the
SARAH A. Peruvian Amazon
- 52 **JOHNSON, JARRETT R.** Terrestrial habitat distribution of the treefrog, *Hyla*
versicolor: Evidence from experimental arboreal refugia and
radiotelemetry
- 53 ***SIERRA, RAFAEL; BURKE,** Food habits of diamondback terrapins at Jamaica Bay
RUSSELL L. Wildlife Refuge, New York
- 54 ***BANNING, WHITNEY J.; DRESLIK,** Habitat Use of Juvenile Slider Turtles (*Trachemys scripta*)
MICHAEL J.; PHILLIPS,
CHRISTOPHER A.; WARNER,
JONATHAN K.; READEL, ANNE M.
- 55 ***CARROLL, LINDSAY M.;** Canopy Cover, Solar Radiation, and Temperature Dependent
MCALLISTER, TIFFANY S.; Sex Determination: A Predictive Model
SPENCER, RICKY J.; JANZEN,
FREDRIC J.
- 56 ***CASEY, ERIN D.; GAINES, KAREN** Red-eared sliders as indicators of ecotoxicological
F.; NOVAK, JAMES M.; BERTSCH, environmental stress over time: an update
PAUL M.; STEPHENS, WARREN L.
- 57 ***ENNEN, JOSHUA R.; SCOTT, A.** Movements and diel behavior of *Sternotherus minor peltifer*
FLOYD in west-central Tennessee: a preliminary report.
- 58 ***STEEN, DAVID A.; STERRETT,** Movements of Eastern Mud Turtles inhabiting a seasonally
SEAN C. ; MILLER, GABRIEL J.; inundated wetland
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- 59 ***HINDERLITER, MATTHEW G.;** Home range, movement patterns, and habitat usage of
YAGER, LISA Y.; EPPERSON, gopher tortoises (*Gopherus polyphemus*) in southern
DEBORAH M.; HEISE, COLLEEN D.; Mississippi
LEE, JAMES R.
- 60 ***HALSTEAD, BRIAN J.;** Analysis of juvenile gopher tortoise (*Gopherus polyphemus*)
MUSHINSKY, HENRY R.; STILSON, movement paths using random walk models
TERRI A.; MCCOY, EARL D.
- 61 ***LENTZ, JENNIFER A.; SWARTH,** Home range and habitat preferences of Eastern Box Turtles
CHRISTOPHER W.; WILLIAMS, (*Terrapene carolina carolina*) at Jug Bay Wetlands
ERNEST H. Sanctuary, Maryland
- 62 ***MOYER, ANNA T.; SWARTH,** Diet of Eastern Box Turtles (*Terrapene carolina carolina*)
CHRISTOPHER W.; FOGEL, M. inhabiting upland and tidal wetland habitats

- 63 ***MAUGER, DAVID; DRESLIK, MICHAEL J.; WILSON, THOMAS P.; BANNING, WHITNEY J.** Ecology of the Blanding's Turtle (*Emydoidea blandingii*) at a Northern Illinois Nature Preserve
- 64 ***PINOU, THEODORA; MANTZIOU, GEORGIA; LYMBERAKIS, PETROS** Understanding the population structure of the turtle *Mauremys rivulata* (Testudines: Bataguridae) on the Island of Crete
- 65 ***ERB, LORI A.; SMITH, SCOTT A.** Sexual Dimorphism and Growth in the Bog Turtle (*Glyptemys muhlenbergii*)
- 66 ***GREAVES, WILLIAM F.; LITZGUS, JACQUELINE D.** Winter Ecology of a Northern Population of the Wood Turtle (*Glyptemys insculpta*)
- 67 ***GUNZBURGER, MARGARET S.; ARESCO, MATTHEW J.** Ecology of the snapping turtle, *Chelydra serpentina*, in northwestern Florida
- 68 **MITCHELL, KERRI E.** The use of freshwater turtles as indicator species for the bioaccumulation of mercury
- 69 ***MOSS, STEFAN L.; WILSON, THOMAS P.; KELLER, JENNIFER M.; RICHARDS, SEAN M.** Levels of persistent organic pollutants (POPs) in plasma from two species of riverine turtle
- 70 **TORKI, FARHANG** Base Factor on Home Ranges
- 71 ***SUBALUSKY, AMANDA L.; FITZGERALD, LEE A.; SMITH, LORA L.** The role of isolated, seasonal wetlands in the ecology of the American alligator
- 72 ***SMOLENSKY, NICOLE; FITZGERALD, LEE** Population density estimates of the sand dune lizard
- 73 ***KUO, CHI-YUN; LIN, YAO-SONG** Dimorphism and resource use of male and female Swinhoe's tree lizard, *Japalura swinhonis*
- 74 **GERSON, MARINA M.** Further evidence of a pursuit deterrent signaling function in the tail-wagging behavior of the zebra-tailed lizard (*Callisaurus draconoides*)
- 75 **FERGUSON, GARY W.; *KINGETER, ADAM; GEHRMANN, WILLIAM H.** Natural UVB exposure and UVB/vitamin D photoregulation in *Anolis lineotopus merope* and *Anolis sagrei*
- 76 **DOAN, TIFFANY M.** Feeding niche differences within a lizard clade in Peru (Gymnophthalmidae: *Proctoporus*)
- 77 **ANDERSON, CHRISTOPHER G.** A Survey of Squamate Biodiversity at Reserva Amazonica, Peru.
- 78 ***FORD, DAVID F.; FORD, NEIL B.** Ophiophagous snakes can trail both sexes of a prey species.
- 79 ***FREEMAN, ALASTAIR B.; FREEMAN, AMANDA N. D.; KROCKENBERGER, ANDREW** Predators on the prowl: How does Australia's largest snake survive in a fragmented landscape?
- 80 **SAGE, JOSEPH R.; KINGSBURY, BRUCE A.** Observations on the hibernation ecology of the Eastern Massasauga Rattlesnake in southeastern Michigan.
- 81 **PILGRIM, MELISSA A.** The relationship between pigmy rattlesnake (*Sistrurus miliarius*) maternal and offspring scale tissue isotopic composition.
- 82 ***MONTEIRO, CAROLINA; GREENE, HARRY W.** Natural history of the Indigo snake: *Drymarchon corais* (Serpentes: Colubridae)

- 83 **DRESLIK, MICHAEL J.; PHILLIPS, CHRISTOPHER A.; JELLEN, BENJAMIN C.; SHEPARD, DONALD B.** Fidelity to Over-wintering Refugia in the Eastern Massasauga (*Sistrurus c. catenatus*)
- 84 ***COLLYER, MICHAEL L.; ADAMS, DEAN C.; SMITH, MATTHEW T.** Comparing alternative models for multivariate morphological data: an example with the prairie rattlesnake (*Crotalus viridis viridis*)
- 85 ***PIZZATTO, LÍGIA; MARQUES, OTAVIO A.V.; MARTINS, MARCIO** Ecomorphology of boine snakes, with emphasis on South American forms
- 86 ***ARI, CSILLA; CORREIA, JOÃO P.** A study on the learning and sensory capabilities of a captive Manta birostris (Mobulidae)
- 87 **AWRUCH, CYNTHIA A.; FRUSHER, STEWART D.; STEVENS, JOHN D.** Movement patterns of the draughtboard shark *Cephaloscyllium laticeps* using acoustic telemetry and conventional tagging.
- 88 ***CARLISLE, AARON B.; STARR, RICHARD M.; CAILLIET, GREGOR M.; EBERT, DAVID A.** Spatial and temporal patterns of movement and habitat utilization of female leopard sharks in Elkhorn Slough, California
- 89 ***CHARVET-ALMEIDA, PATRICIA; ROSA, RICARDO S.; ALMEIDA, MAURICIO P.** *Paratrygon aiereba*: a multi-species complex (Chondrichthyes: Potamotrygonidae)
- 90 ***DEAN, MASON N.; SUMMERS, ADAM P.** Uniform strain in broad muscles: A new twist on tendons
- 91 ***ETHIER, NICOLE; MORRISSEY, JOHN F.** Age and growth determination of a deep-sea centrophorid shark, *Centrophorus cf uyato*, from the Cayman Trench, Jamaica, W.I.
- 92 ***GRUSHA, DONNA S.; PATTERSON, MARK R.** Quantification of Forces Imposed by Pop-up Satellite Archival Tags and Estimation of Metabolic Cost
- 93 ***HALE, LORI F.; DUDGEON, JOHN; MASON, ANDREW Z.; LOWE, CHRISTOPHER G.** Elemental signatures in vertebral cartilage of the round stingray, *Urobatis halleri*, from Seal Beach, California
- 94 **JORDAN, LAURA K.** How are habitat and prey preference of batoid fishes reflected in sensory anatomy and prey capture?
- 95 **MACESIC, LAURA J.** Electric organ morphometrics of the lesser electric ray, *Narcine brasiliensis*
- 96 ***ROBINSON, HEATHER J.; CAILLIET, GREGOR M.; EBERT, DAVID A.** Food habits of the longnose skate, *Raja rhina* (Jordan and Gilbert, 1880), in central California waters
- 97 ***PIERCY, ANDREW N.; GELSLEICHTER, JAMES J.; SNELSON, FRANKLIN F.** Morphological changes in the Clasper gland of the Atlantic stingray, *Dasyatis sabina*, associated with the seasonal reproductive cycle
- 98 ***SCHAEFER, JUSTIN T.** Structural properties of calcification in batoid elasmobranch cartilage
- 99 ***WUERINGER, BARBARA E.; TIBBETTS, IAN R.** Electroreception of rhinobatids
- 100 ***ALMEIDA, MAURICIO P.; VIANA, ANDERSON S.; CHARVET-ALMEIDA, PATRICIA; BARTHEM, RONALDO B.** Reproductive biology of *Potamotrygon scobina* Garman, 1913 (Chondrichthyes: Potamotrygonidae) in the Marajo Bay region, Para, Brazil

- 101 **CHABOT, CHRIS L.** Population Genetics of the Tope Shark (*Galeorhinus galeus*)
in Response to California Fishery Pressures
- 102 ***COLLINS, ANGELA B.; HEUPEL, MICHELLE R.; HUETER, ROBERT E.; MOTTA, PHILIP J.** Diet of the Atlantic cownose ray *Rhinoptera bonasus* in
Charlotte Harbor, Florida, USA
- 103 ***CURTIS, TOBEY H.** Distribution and movements of juvenile bull sharks,
Carcharhinus leucas, in the Indian River Lagoon System,
Florida.
- 104 ***FORD, TRAVIS; GODDARD, NATHANIEL; SICELOFF, LAUGHLIN; MORGAN, ALEXIA; BURGESS, GEORGE H.** Geographical and temporal variation in length distributions
of six species of shark taken in the bottom longline fishery
off the southwestern United States
- 105 ***GODDARD, NATHANIEL; FORD, TRAVIS; SICELOFF, LAUGHLIN; MORGAN, ALEXIA; BURGESS, GEORGE** Regional bycatch composition of the commercial shark
bottom longline fishery of the Southeast United States.
- 106 **HAGGIN, BRENTON M.** Aspects of the life history of the brown smoothhound,
Mustelus henlei, from southern California
- 107 ***LEWALLEN, ERIC A.; BOHONAK, ANDREW J.** The genetic population structure of the leopard shark
(*Triakis semifasciata*)
- 108 ***MORRIS, JOHN J.; GELSLEICHTER, JIM; HUETER, ROBERT E.** A New Seawater Facility for Experimental Research on
Large Elasmobranchs and Other Marine Species
- 109 **PORTNOY, DAVID S.** Detection of polyandry and reproductive periodicity in the
sandbar shark, *Carcharhinus plumbeus*.
- 110 ***ROA-VARON, ADELA; ACERO, P. ARTURO; SOLANO, OSCAR D.** A New Born <*Rhincodon typus*> (Smith, 1828) from the
Golfo de Morrosquillo, Colombian Caribbean
- 111 **SANDOVAL-CASTILLO, JONATHAN R.** Genetic structure of batoid fish populations from the Gulf of
California and the Pacific Baja California coasts
- 112 **SULIKOWSKI, JAMES A.; ELZEY, SCOTT; *KNEEBONE, JEFF; TSANG, PAUL C.W.** The reproductive cycle of the smooth skate, *Malacoraja*
sentia, in the western Gulf of Maine
- 113 ***THRASHER, JACQUELINE E.; ULRICH, GLENN F.; SANCHO, GORKA** Seasonal and spatial patterns of Atlantic sharpnose shark
(*Rhizoprionodon terraenovae*) captures in South Carolina
coastal waters
- 114 ***TRELOAR, MICHELLE A.; LAURENSEN, LAURIE J. B.; STEVENS, JOHN D.** A comparison of different methods and structures for age
determination of skates in Australian waters
- 115 **TYMINSKI, JOHN P.; GELSLEICHTER, JAMES** Cloning the androgen receptor protein in the bonnethead
shark (*Sphyrna tiburo*)
- 116 ***WILLIAMS, AUDREY T.; KAJIURA, STEPHEN M.; FORNI, JESICA B.; SUMMERS, ADAM P.; KOOB, THOMAS J.** Sexually dimorphic skate snouts
- 117 **WYFFELS, JENNIFER T.; MASUDA, MOTOYASU; ITOH, YOSHIKI** Developmental abnormalities in *Scyliorhinus torazame*

- 118 ***YEDNOCK, BREE K.; ABEL, DANIEL C.; GARY, SAMUEL J.** Habitat utilization by multiple coastal shark species in a salt marsh nursery.
- 119 ***YEISER, BEAU G.; HEUPEL, MICHELLE R.; CARLSON, JOHN K.** Examination of Winter Grounds for blacktip sharks, *Carcharhinus limbatus*, in Florida

Poster Session II – Saturday, July 9

- 1 ***BEVIER, CATHERINE R.; PARKER, JILLIAN E.; CONLON, J. MICHAEL** Antimicrobial peptides in skin secretions from frogs of the *Rana catesbeiana* species group
- 2 ***BARRIBEAU, SETH; WALDMAN, BRUCE** MHC and disease resistance in *Xenopus laevis* tadpoles.
- 3 **ANDREWS, KIMBERLY M.** What is the half-life of a dead snake? Persistence of road-killed snake specimens as affected by scavengers, traffic density, and abiotic factors
- 4 **JORGENSEN, MICHAEL E.** Growth patterns in the embryonic cranium of the Red-eared Slider (*Trachemys scripta*)
- 5 **SHEIL, CHRISTOPHER A.;** Formation and ossification of bony elements in the hands
6 ***PORTIK, DANIEL** and feet of turtles
- 6 ***WOOSLEY, LORI B.; CARR, JOHN L.** Sexual size dimorphism of the tail in the Alligator Snapping Turtle, *Macrochelys temminckii*
- 7 ***DRAKE, DANA L.; ALTIG, RONALD; WALLS, SUSAN C.** Post-injury Regeneration of the Major Components of the Oral Discs of Larval Ranids
- 8 **IKEJIRI, TAKEHITO** Sequence of fusion in vertebral elements as a possible ontogenetic indicator in crocodylians
- 9 **RABATSKY, ALI M.** Preliminary results from an investigation of rattle loss in island rattlesnakes
- 10 ***TSUIHJI, TAKANOBU; KEARNEY, MAUREEN; RIEPPEL, OLIVIER** Myological characteristics suggest the presence of a short neck in snakes
- 11 ***FONTENOT, BRIAN E.; FRANKLIN, CARL; MEIK, JESSE M.** Identification of an apparent natural hybrid between *Crotalus atrox* and *Crotalus horridus* using Electron Microscopy
- 12 ***DODD, C. K., JR.; GUNZBURGER, MARGARET S.; STAIGER, JENNIFER S.; BARICHIVICH, WILLIAM J.** Amphibian Research and Monitoring on National Wildlife Refuges in the Southeastern United States
- 13 **HASEGAWA, MASAMI; SUZUKI, YOKO; WADA, SATOKO** Design and performance of a Novel Wet Operative Temperature Thermometer for Amphibian Habitat Evaluation
- 14 **MOLINES, KARYN** Use of digital photography for identifying individual marbled salamanders (*Ambystoma opacum*) and its use in population studies
- 15 ***SPENCER, CAROL L.; TRUEB, LINDA; WAKE, DAVID B.** HerpNET.org: An Online Distributed Database of Amphibian and Reptile Museum Collections
- 16 **STAIGER, JENNIFER S.** An evaluation of three aquatic sampling techniques for amphibians: implications for inventory and monitoring project design.
- 17 ***RADKE, NIKKI JO A.; PERRY, GAD; WESTER, DAVID B.** Efficacy of Three Types of Arboreal Traps
- 18 ***WALSTON, LEE J.; MULLIN, STEPHEN J.** Resilience of a Pond-Breeding Amphibian Community Following Mitigation of Introduced Fish
- 19 ***MARTINEZ-RIVERA, CARLOS C.; ASTUDILLO-SANCHEZ, EVELYNG K.; YANEZ-MUNOZ, MARIO H.** Herpetofauna of Reserva Ecológica Comunal Loma Alta (La RECLA), Guayas prov. Ecuador

- 20 **RICKARD, ARIANA J.** Monitoring the success of translocated populations of Blanchard's cricket frog (*Acris crepitans blanchardi*) in Michigan
- 21 **RISSLER, LESLIE J.; *APODACA, JOSEPH J.** Phylogeography of the Southern Leopard Frog *Rana sphenocephala*
- 22 **BARICHIVICH, WILLIAM J.** Factors affecting Southern Leopard Frog, *Rana sphenocephala*, distribution and detection in five coastal plain refuges.
- 23 **FORSON, DIANE; *STORFER, ANDREW** Effects of atrazine and iridovirus on the long-toed salamander, *Ambystoma macrodactylum*.
- 24 ***GRAETER, GABRIELLE J.; ROTHERMEL, BETSIE B.; GIBBONS, J. WHITFIELD** Habitat selection and movement patterns of marbled salamanders (*Ambystoma opacum*) and southern leopard frogs (*Rana sphenocephala*) in altered forest habitats
- 25 **GRASSO, ROBERT L.; *COLEMAN, RONALD M.; DAVIDSON, CARLOS** Antipredator response and palatability of Yosemite toad larvae to nonnative brook trout in California.
- 26 ***GREENBAUM, ELI; KOMAR, OLIVER** Threat assessment and conservation prioritization of the herpetofauna of El Salvador
- 27 ***KLUEH, SARABETH; MULLIN, STEPHEN J.** Population ecology of the Jefferson salamander, *Ambystoma jeffersonianum*, in Illinois
- 28 **KUBICKI, BRIAN; GAGLIARDO, RONALD W.** Amphibian Diversity and Conservation in Guayacan, Limon Province, Costa Rica
- 29 ***LUPTON, QUENT; FORESTER, DON** Initial Herpetofauna Responses to a Created Wetland: Implications for Conservation and Management
- 30 ***MCCALLUM, M.L.; WALSH, E.; MCCALLUM, J.L.; BOGOSIAN, V.** A comparison of herpetofauna communities in three northwestern Louisiana wildlife management areas
- 31 ***PATRICK, DAVID A.; HUNTER, MALCOLM L. JR.; CALHOUN, ARAM J. K.** Determining the mechanisms of juvenile amphibian orientation on leaving natal ponds.
- 32 **SONNTAG, EDYTHE L.** Feasibility Study for the Translocation of Blanchard's Cricket Frogs (*Acris crepitans blanchardi*) to the Detroit Zoological Institute's Restored Wetlands: Habitat Requirements and Considerations
- 33 ***VITT, LAURIE J.; CALDWELL, JANALEE P.; COLLI, GUARINO R.; SHEPARD, DONALD B.; MESQUITA, DANIEL O.; FRANÇA, FREDERICO G. R.; COSTA, GABRIEL C.; GARDA, ADRIAN A.** Herpetofauna of the Jalapão region of the Brazilian Cerrado
- 34 **YEN, CHIUNG-FEN; YAO, TSUNG-WEI; CHIOU, YU-CHIH** Alternative conceptions in animal classification: A cross-age study focuses in amphibians and reptiles
- 35 **GOOCH, MICHELLE M.; *HEUPEL, AUBREY M.; PRICE, STEVEN J.; DORCAS, MICHAEL E.** The effects of survey protocol on detection probabilities and site occupancy estimates on summer-breeding anurans.
- 36 **HAWKES, VIRGIL C.** Restoration potential for Red-legged frogs (*Rana aurora aurora*) in an impounded watershed
- 37 **HESTER, JOY M.** Effects of relocation on movements and home ranges of eastern box turtles (*Terrapene carolina*)

- 38 ***WALSH, ERIC S.; SPALDING, HEATHER; MCCALLUM, MALCOLM** DOES THE RED-COCKADED WOODPECKER FUNCTION AS AN UMBRELLS SPECIES IN THE WINN RANGER DISTRICT OF KISATCHIE NATIONAL FOREST LOUISIANA?
- 39 ***CARDOZO, GABRIELA; RIVERA, PAULA; GARDENAL, CRISTINA; CHIARAVIGLIO, MARGARITA** Effects of habitat loss on Argentine Boa Constrictor (*Boa constrictor occidentalis*) populations
- 40 **WOLF, ALEXANDER J.** A Survey of *Uroplatus phantasticus* in Ranomafana National Park, Madagascar
- 41 ***WALLER, TOMAS; MICUCCI, PATRICIO A.; MENDEZ, MARTIN; ALVARENGA, ERNESTO** Management and Conservation Biology of Yellow Anacondas (*Eunectes notaeus*) in Argentina
- 42 **LABRECQUE, JENNIFER; *CLEVELAND, ANN** Effects of Guided Turtle Walks on Nesting Behavior and Clutch Success of the Loggerhead Turtle (*Caretta caretta*) on Bald Head Island, North Carolina
- 43 ***YAGER, LISA Y.; HEISE, COLLEEN D.; HINDERLITER, MATTHEW; LEE, JAMES R.** Gopher tortoise (*Gopherus polyphemus*) habitat restoration in pine forests using prescribed fire on Camp Shelby Training Site, MS
- 44 ***WILSON, THOMAS P.; MANIS, CHRIS; MOSS, STEFAN; MINTON, ROBERT; COLLINS DAVE** Using turtles to promote a grassroots environmental education program in the Lower Tennessee and Conasauga watersheds
- 45 **TUBERVILLE, TRACEY D.** Activity and movement patterns of eastern (*Heterodon platirhinos*) and southern (*H. simus*) hognose snakes in South Carolina
- 46 ***SHEPARD, DONALD B.; DRESLIK, MICHAEL J.; JELLEN, BENJAMIN C.; PHILLIPS, CHRISTOPHER A.** Reptile Road Mortality Around an Oasis in the Illinois Corn Desert with Emphasis on the Eastern Massasauga
- 47 **RAYMOND, KRISTAN M. N.** Spatially Explicit Examination of Juvenile Gopher Tortoise (*Gopherus polyphemus*) Habitat Preferences in a Florida Sandhill
- 48 ***NAZDROWICZ, NATHAN H.; BOWMAN, JACOB L.; IGLAY, RAYMOND B.** Eastern box turtle movements in a fragmented landscape
- 49 ***LÓPEZ-CASTRO, MELANIA C.; ROCHA-OLIVARES, AXAYÁCATL** The Panmixia Paradigm of eastern Pacific olive ridley turtles revised: consequences for their conservation and evolutionary biology
- 50 ***KING, EMILY H.; WYNEKEN, JEANETTE** Habitat use and spatial distribution of a southeastern population of *Gopherus polyphemus*
- 51 **TUBERVILLE, TRACEY D.** Translocation as a conservation tool: site fidelity and activity area size of repatriated gopher tortoises (*Gopherus polyphemus*)
- 52 **BASIOTIS, KATHERINE A.; MUSHINSKY, HENRY R.; MCCOY, EARL D.** Do gopher tortoises (*Gopherus polyphemus*) consume exotic cogongrass (*Imperata cylindrica*)? Results of a feeding experiment
- 53 ***MAYDEN, RICHARD.; HARRIS, P. M.** The Zoogeography of New World Freshwater Fishes: The Book Series
- 54 ***PERSONS, A. KAREN; SCHAEFER, JACOB; DUVERNELL, DAVID** Synclinal Variance in Morphology within the *Fundulus notatus* Complex

- 55 *SHINOHARA, GENTO; SHIRAI, Deep-sea fish fauna of the Sea of Japan
SHIGERU M.; YABE, MAMORU
- 56 *VEGA, MA. EUGENIA; Fish species in Yucatan Peninsula coast.
HERNANDEZ DE S., MIRELLA
- 57 SEDBERRY, GEORGE R.; The Fred Berry Fish Atlas
SWANSON, KAREN R.; WEINBACH,
PHILIP; STEPHEN, JESSICA A.;
- 58 *MEISTER, H. SCOTT
MORANO, JANELLE L. Using swimming performance as a predictor of dispersal in
the invasive round goby
- 59 *MARTIN, HOLLY R.; WHITE, Intraspecific Phylogeography of the Least Brook Lamprey
MATTHEW M.
- 60 *DAHDUL, WASILA M.; ORTÍ, Molecular phylogenetics of Neotropical serrasalmine fishes
GUILLERMO (Ostariophyi, Characiformes)
- 61 *DETTAI, AGNES; KÖRTING, Use of Short Interspersed Elements insertion polymorphism
CORNELIA; OZOUF-COSTAZ, for the phylogeny of Poeciliidae and Notothenioidei
CATHERINE; VOLFF, JEAN-
NICOLAS
- 62 *INOUE, JUN G.; MIYA, MASAKI; The mitochondrial genome of Indonesian coelacanth
VENKATESH, BYRAPPA; NISHIDA, *Latimeria menadoensis* (Sarcopterygii: Coelacanthiformes)
MUTSUMI and divergence time estimation between the two coelacanths
- 63 *LAVOUE, SEBASTIEN; MIYA, Phylogeny of the Gonorynchiformes (Teleostei) inferred
MASAKI; INOUE, JUN G.; SAITOH, from whole mitogenome sequences
KENJI; ISHIGURO, NAOYA B.;
- 64 NISHIDA, MUTSUMI
- 64 *LESTER, KRISTIE L.; CRAMPTON, Molecular phylogenetics of the weakly electric knifefishes:
WILLIAM G. R.; ALBERT, JAMES Biogeography and evolution within the genus *Gymnotus*
S.; LOVEJOY, NATHAN R.
- 65 *LI, CHENHONG; ORTI, Phylogenetic relationships among families of Clupeiformes
GUILLERMO based on mitochondrial and nuclear gene sequences
- 66 *OLIVEIRA, CLAUDIO; MIGUEL, Molecular phylogeny of the superfamily Loricarioidea
ÉRICA R.; FORESTI, F. (Teleostei: Siluriformes)
- 67 SPARKS, JOHN S.; DUNLAP, PAUL Evolution and diversification of a sexually dimorphic
V.; *SMITH, W. LEO luminescent system in ponyfishes (Teleostei:
Leiognathidae), including diagnoses for two new genera
- 68 *TANG, KEVIN L.; WOOD, ROBERT Preliminary results from the Cypriniformes Tree of Life
M.; MAYDEN, RICHARD L. (CToL) Project
- 69 BUBLEY, WALTER J. The role of the accessory structure in a simultaneously
hermaphroditic fish, sand perch (*Diplectrum formosum*)
- 70 *DE SANTANA, CARLOS DAVID; Systematics of the deep channel electric fish genus
CRAMPTON, WILLIAM G. R. *Sternarchogiton* Eigenmann & Ward, 1905 (Gymnotiformes:
Aptereronotidae)
- 71 *EISENHOUR, DAVID J.; Clinal variation in morphology of *Lythrurus umbratilis*
EISENHOUR, LYNN V. (Cypriniformes: Cyprinidae) in the Ohio River basin
- 72 *FLUKER, BROOK L.; PEZOLD, Morphological and molecular variation of the Inland
FRANK; MINTON, RUSSELL L. Silverside, *Menidia beryllina*
- 73 *GEORGE, ANNA L.; NEELY, Molecular systematics and phylogeography of the Texas
DAVID A.; MAYDEN, RICHARD L. logperch, *Percina carbonaria*.

- 74 **NEAR, THOMAS J.** Molecular phylogenetics of *Percina* (Percidae: Etheostomatinae)
- 75 ***NEELY, DAVID A.; ESPINASA, LUIS; MAYDEN, RICHARD L.** Systematics of a troglomorphic sculpin from central Pennsylvania, eastern United States (Teleostei: Cottidae).
- 76 **PAVANELLI, CARLA S.** New *Apareiodon* species from the Rio Tibagi, upper Rio Parana basin, Brazil
- 77 ***ROBINS, ROBERT H.; PAGE, LAWRENCE M.** Study of variation in western Gulf Slope *Percina sciera* (Percidae)
- 78 ***THOMPSON, BRUCE A.; SUTTKUS, ROYAL D.** Further revision of the genus *Bembrops*, family Percophidae, suborder Trachinoidei
- 79 ***BART, HENRY L.; RIOS, NELSON E.; JOHANSEN, JOHN W.** Computerization, Recuration, and Inventory of the Tulane University Museum of Natural History Fish Collection
- 80 ***FRIEL, JOHN P.; ARMBRUSTER, JONATHAN W.; FERRARIS, CARL J. JR.; LUNDBERG, JOHN G.; PAGE, LARRY M.; SABAJ, MARK H.** All Catfish Species Inventory: 2005 Progress Report
- 81 ***GILLETTE, DAVID P.; MARSH-MATTHEWS, EDIE** Balancing space constraints with researcher needs: a survey of users of museum fish collections
- 82 ***HAROLD, ANTONY S.; SALCEDO, NORMA J.** A new species of *Creagrutus* (Teleostei: Characidae) collected during the 2004 Trans-Continental Catfish Expedition to Peru
- 83 **HO, HSUAN-CHING; SHAO, KWANG-TSAO** A new species of deep-sea batfishes (Lophiiformes: Ogocephalidae) from West Pacific Oceaen
- 84 ***LUCKENBILL, KYLE R.; SABAJ, MARK H.; LUNDBERG, JOHN G.** The Good, the Bad, and the Ugly: Imaging catfish primary types at ANSP.
- 85 ***THOMSON, ALFRED W.; PAGE, LAWRENCE M.** Genera of Sisoridae and Erethistidae
- 86 ***POLANCO, F. ANDREA; ACERO, P. ARTURO** *Trachinocephalus myops* (Pisces: Synodontidae): one or several species in the world?
- 87 **DELVENTHAL, NAOMI R.** Taxonomy of bearded gobies, genus *Gobiopsis*
- 88 **SALCEDO, NORMA J.** Taxonomic accuracy and the potential distribution of the catfish genus *Chaetostoma* (Siluriformes: Loricariidae)
- 89 ***WHITE, MATTHEW M.; ZIPFEL, KATHERINE** Status of native walleye in Rockcastle River, KY and Kanawha River, WV
- 90 ***CABARLE, KENNETH C.; SMITH, SCOTT M.** The Effects of Flow Augmentation on the Fish Community of a Virginia Trout Stream
- 91 ***OWENS, AUDREY K.; CASTLEBERRY, STEVEN B.** Coarse woody debris and herpetofaunal communities: a manipulative study
- 92 ***COX, SERENA M.; WORK, KIRSTEN A.** Cryptic coloration and shoaling preference in small fish inhabiting Blue Spring State Park, FL.

Poster Session III – Sunday, July 10

- 1 ***READEL, ANNE M.; DRESLIK, MICHAEL J.; WARNER, JONATHAN K.; BANNING, WHITNEY J.; PHILLIPS, CHRISTOPHER A.** Ontogenetic Divergence In Sexual Dimorphism And Sexual Maturity In Aquatic Turtles, Are General Methods Enough?
- 2 **WINNE, CHRISTOPHER T.** Reproductive costs differ between aquatic and terrestrial habitats: reproductive locomotor impairment in a semi-aquatic snake
- 3 **TOURMENTE, MAXIMILIANO; GUIDOBALDI, ALEJANDRO; GIOJALAS, LAURA; CHIARAVIGLIO, MARGARITA** Comparative sperm morphometry in three South American snake taxa: considerations on sperm competition theories.
- 4 ***WUSTERBARTH, THERESA L.; KING, RICHARD B.; DUVALL, MELVIN R.; GRAYBURN, W. SCOTT; BURGHARDT, GORDON M.** All The Right Moves: Phylogenetically Widespread Natricine Promiscuity
- 5 **TORKI, FARHANG** Annual cycle of sexual system of male *Ophisops elegans* considering hibernation, morphology and histological
- 6 **STEWART, KATHRYN A.** Reproductive characteristics of the long-tailed spiny lizard, *Sceloporus siniferus* (Sauria: Phrynosomatidae) from Huatulco, Mexico.
- 7 **GANSER, LISA R.** Sex Differences in the Hindbrain of Two Anurans: *Bufo marinus* and *Xenopus laevis*.
- 8 ***WASSERSUG, RICHARD J.; ROT- NIKCEVIC, IRENA; TAYLOR, CHRISTOPHER N.** Pretty in profile: tadpole responses to mirrors
- 9 **LARSON, KRISTA A.** Call complexity in northern leopard frogs: are males advertising beauty or brawn?
- 10 **CAFER, A.; SHUFORD, E.; LIPPMANN, J.; MCGUIRE, L.; *ALDRIDGE, R. D.** Do frogs choose ponds with fewer competitors and fewer predators?
- 11 **TAKASHI, HARAMURA** The effect of salinity on the oviposition site selection by *Buergeria japonica*
- 12 ***HUNKAPILLER, TIMOTHY R.; DRESLIK, MICHAEL J.; MENZEL, EVAN J.; MUI, JENNIFER M.** Spatial relationships in the breeding chorus of the wood frog (*Rana sylvatica*)
- 13 **MANDICA, MARK L.; GARTNER, GABRIEL E. A.** A comparison of photoperiod related activity patterns between two South Florida toads (Anura: Bufonidae)
- 14 ***MOREIRA, CATARINA; MÁRQUEZ, RAFAEL; BOWKER, RICHARD** Call transmission of *Rana clamitans* and *Pseudacris crucifer* in two different environments
- 15 **DANTZER, BENJAMIN J.; JAEGER, ROBERT G.** Detection of sexual identity through volatile components of chemical signals in red-back salamanders
- 16 **WIEBUSCH, PAMELA L.; *ZAIDAN III, FREDERIC** Effects of temperature and light on background color matching in Mediterranean geckos (*Hemidactylus turcicus*)
- 17 ***GRACE, MICHAEL S.; VAN DYKE, JAMES U.** The role of thermal contrast in infrared-based targeting by copperheads (*Agkistrodon contortrix*)

- 18 ***PRUETT, JAKE; COBB, VINCENT A.; GREEN, J. JEFFREY** Body temperatures of *Coluber constrictor* and *Crotalus horridus* during changes in environmental conditions
- 19 ***RAY, JULIE M.; PIKE, DAVID A.** Defensive behaviors in Neotropical snakes: An interspecific comparison
- 20 **SCHAFFER, RICK; *SCHAFFER, CHUCK** Activity Levels of the Asian Giant Tortoise (*Manouria emys*): A Comparison by Cohort and Photoperiod.
- 21 **LIGON, DAY B.** Interspecific variation in physiological response to incubation temperature among four sympatric turtle species
- 22 ***BOTTERILL, BROOKE L.; MILTON, SARAH L.; BLAIR, STEPHEN M.; LUTZ, PETER** Identification of steroid hormones in the allantoic fluid and plasma of loggerhead hatchlings.
- 23 ***KOWALSKI, AMY; MILTON, SARAH** Specific dynamic action in hatchling and juvenile green (*Chelonia mydas*) and loggerhead (*Caretta caretta*) turtles
- 24 ***LITZGUS, JACQUELINE D.; HOPKINS, WILLIAM A.; CONGDON, JUSTIN D.; MOUSSEAU, TIMOTHY A.** Bioenergetics of a declining freshwater turtle (*Clemmys guttata*)
- 25 ***MCGARRITY, MONICA E.; MILTON, SARAH L.** Stress protein expression in green turtle fibropapillomatosis: evaluating health and stress levels in marine turtles
- 26 ***BRYAN, TERESA A.; MILNES, MATTHEW R.; GUILLETTE, LOUIS J.** Phallic size variation in yearling alligators exposed to naturally occurring environmental contaminants.
- 27 **WITZ, BRIAN W.; CONHEADY, MATTHEW** Chitinolytic activity of gastric and pancreatic tissue in the side-blotched lizard, *Uta stansburiana*
- 28 ***YOUNG, BRUCE A.; KARDONG, KENNETH V.** Mechanisms controlling venom expulsion in the Western Diamondback Rattlesnake, *Crotalus atrox*
- 29 **VALENZUELA, NICOLE; *LECLERE, ANDREA R.** Comparative gene expression of multiple sex-determining genes in TSD and GSD turtles
- 30 ***KAGIMA, BARBARA; VALENZUELA, NICOLE** Maternal effect genes for sex determination in painted turtles, *Chrysemys picta*
- 33 ***BESENHOFER, LAUREN M.; CARR, JOHN L.** Assessment of parentage in clutches of Alligator Snapping Turtle (*Macrochelys temminckii*) eggs using microsatellite markers
- 31 ***ROBERTS, MARK A.; ANDERSON, CHRISTOPHER J.; BASS, ANNA L.; GRADY, JAMES M.; QUATTRO, JOSEPH M.** Temporal variation within and between loggerhead sea turtle (*Caretta caretta*) feeding assemblages along the Atlantic coastal United States based on eight years of data.
- 32 **VASCONCELOS, WILLIAM RANGEL; *HRBEK, TOMAS; DA SILVEIRA, RONIS; DE THOISY, BENOIT; REBÊLO, GEORGE HENRIQUE; MARIONI, BORIS; FARIAS, IZENI PIRES** Population genetic analysis of *Caiman crocodilus* (Linnaeus, 1758) and *Melanosuchus niger* (Spix, 1825) from South America
- 34 **JUTERBOCK, J. ERIC; *REGULAMEYER, LISA** Genetic relatedness among several populations of the Northern Dusky Salamander (*Desmognathus fuscus*)
- 35 ***CHANDLER, CHRISTOPHER H.; ZAMUDIO, KELLY R.** The effects of body size and relatedness on male reproductive success in an aggregate breeding amphibian (*Ambystoma maculatum*)

- 36 ***ETEROVICK, PAULA C.;** Isolation of microsatellite markers and small spatial scale
YAZBECK, GABRIEL M.; population structure analysis in the treefrog *Hyla saxicola*
KALAPOTHAKIS, EVANGUEDES (Anura, Hylidae)
- 37 ***HOLLINGSWORTH, BRADFORD** Improved Housing and Organization of the Herpetological
D.; **WOOD, DUSTIN A.;** **CATO,** Collection at the San Diego Natural History Museum
PAISLEY S.
- 38 ***VICTORIANO, PEDRO; SITES,** Comparative phylogeography of three co-distributed species
JACK W.; **VIDAL, MARCELA;** of *Liolaemus* (Tropiduridae) from South-Central Chile
ORTIZ, JUAN CARLOS
- 39 **MOTT, TAMÍ** Molecular Systematics of South American Amphisbaenians
 (Reptilia, Squamata)
- 40 ***RIVAS, GILSON A.;** **MIRALLES,** The genus *Mabuya* (Reptilia, Scincidae) in Venezuela: A
AURELIEN; **BARROS, TITO;** taxonomic overview
SCHARGEL, WALTER; **BARRIO-**
AMORÓS, CÉSAR L.
- 41 ***VICTORIANO, PEDRO F.;** **ORTIZ,** A multivariate analysis of taxonomic limits in species of the
JUAN CARLOS genus *Diplolaemus* (Squamata Leiosauridae).
- 42 ***WARREN, MATTHEW J.;** **KIZIRIAN, DAVID;** **DONNELLY,** A new species of *Gonatodes* from Guyana (Squamata:
MAUREEN A. Gekkonidae)
- 43 **RASTEGAR-POUYANI,** Systematics, Distribution and Ecology of the Ophisops
NASRULLAH elegans Complex (Sauria: Lacertidae) in Iran.
- 44 ***BEAMER, DAVID A.;** **LAMB, TRIP** Highs And Lows In Salamander Evolution: Phylogenetics Of
 Coastal Plain Dusky Salamanders
- 45 ***ABRAMYAN, JOHN;** **SHAFFER,** Speciation Observed in Mid-Stride: A multi-gene analysis of
BRAD H. the California tiger salamander.
- 46 **ALFARO, MICHAEL E.;** **KARNS,** Phylogeny of the Oriental-Australian rear-fanged water
DARYL R.; ***VORIS, HAROLD K.;** snakes (Colubridae: Homalopsinae) based on DNA
STUART, BRYAN L. sequences
- 47 **KUCH, ULRICH;** ***SASA,** Phylogeny, diet and snake venom evolution: the case of
MAHMOOD; **MEBS, DIETRICH** Australopapuan blacksnakes (Elapidae: Pseudechis)
- 48 ***HARPER, GEORGE R.;** **ZIMMERER, ED;** **GROGAN,** A re-evaluation of the taxonomic status of the Scarlet
WILLIAM L.; **OWENS, JANINE;** Kingsnake, *Lampropeltis triangulum elapsoides*
PFENNIG, DAVID W.
- 49 ***GARDNER, DAVID;** **WARMS,** Giant Canadian Snakes and Forensic Phylogenetics
JOHN; **WHITE, MARY;** **CROTHER,**
BRIAN I.
- 50 ***PLACYK, JOHN S., JR.;** **BURGHARDT, GORDON M.;** Post-glacial Recolonization Pathways into the Great Lakes
CASPER, GARY S.; **SMALL,** Region by the Common Gartersnake (*Thamnophis sirtalis*)
RANDALL L.; **KING, RICHARD B.;** Inferred from mtDNA Sequences
ROBINSON, JACE W.
- 51 ***JIMENEZ, CYNTHIA G.;** **BURBRINK, FRANK T.;** **LAWSON,** Genetic variation in Northeastern United States populations
ROBIN of *Thamnophis sirtalis*
- 52 ***CRONAN, KAITLIN H.;** **DE SA,** Resolving the status of *Leptodactylus fuscus* in Argentinean
RAPHAEL and Bolivian populations

- 53 **BLACKBURN, DAVID C.** Osteology of *Arthroleptis* and *Schoutedenella* (Anura: Ranoidea: Arthroleptidae)
- 54 **TONIONE, MARIA; HOSKIN, CONRAD; MORITZ, CRAIG** Phylogeography of an Australian Wet Tropics rainforest endemic, the microhylid frog *Cophixalus ornatus*
- 55 ***WATKINS-COLWELL, GREGORY J.; GRUNER, HANK** The Connecticut Amphibian Monitoring Project
- 56 **CANNATELLA, DAVID C.** AmphibiaTree
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