

American Society of Ichthyologists and Herpetologists

Board of Governors Meeting



Grand Sierra Resort & Hotel

Reno, Nevada

15 July 2015



Maureen A. Donnelly
Secretary
Florida International University
College of Arts & Sciences
11200 SW 8th St. - ECS 450
Miami, FL 33199
maureen.a.donnelly@gmail.com
305.348.1235

5 June 2015

The ASIH Board of Governor's is scheduled to meet on Wednesday, 15 July 2015 from 5:00 – 7:00 pm in Crystal 1 & 2 of the Grand Sierra Resort and Hotel.

President Allen plans to move blanket acceptance of all reports included in this book that cover society business for 2014 and 2015 (in part). The book includes the candidate information for the 2015 elections that will take place after the meeting via electronic voting through Allen Press. The Board of Governors will vote on the candidates for the four awards committees during the meeting in 2015.

Governors can ask to have items exempted from blanket approval. These exempted items will be acted upon individually. We will also act individually on items exempted by the Executive Committee during their meeting.

Please remember to bring a version of this booklet with you to the meeting. Wireless internet access will be provided to all JMIH 2015 attendees and the Twitter hashtag for the meeting is #JMIH15.

Please contact me directly (email is best - maureen.a.donnelly@gmail.com) with any questions you may have. Please notify me if you will not be able to attend the meeting so I can share your regrets with the Governors. I leave for Reno on 8 July 2015 so try to contact me before that date if possible.

The Annual Business Meeting will be held on Saturday 18 July 2015 from 6:00 to 8:00 pm in Crystal 1&2 of the Grand Sierra Resort and Hotel. Please plan to attend both the BOG meeting and Annual Business Meeting.

I look forward to seeing you in Reno.

Sincerely,



Maureen A. Donnelly
ASIH Secretary

ASIH BOARD OF GOVERNORS 2014

Past Presidents		Executive Committee	Elected Officers (not on EXEC)
Beaupre, S.J.	Matthews, W.J.	Allen, L.G.	Buth, D.G.
Burr, M.B.	Mayden, R.L.	Beachy, C.K.	Chakrabarty, P.
Cannatella, D.C.	McDiarmid, R.W.	Beaupre, S.J.	Espinoza, R.E.
Cashner, R.C.	Mushinsky, H.R.	Donnelly, M.A.	Grande, T.
Cohen, D.M.	Page, L.M.	Litzgus, J.D.	Kerby, J.
Collette, B.B.	Parenti, L.R.	Martin, F.D.	Klepadlo, C.
Douglas, M.E.	Pietsch, T.W.	Matthews, W.J.	Lannoo, M.J.
Frost, D.R.	Pough, F.H.	Retzer, M.	Litzgus, J.D.
Gilbert, C.R.	Rabb, G.G.	Shaffer, H.B.	Martin, K.L.
Greene, H.W.	Robins, C.R.		Orr, J.W.
Greenfield, D.W.	Rosenblatt, R.H.		Reis, R.E.
Gregory, P.T.	Savage, J.M.		Schaefer, J.
Hanken, J.	Savitzky, A.H.		Siegel, D.S.
Highton, R.	Scott, W.B.		Smith, W.L.
Hutchison, V.H.	Smith, G.R.		Snodgrass, J.M.
Inger, R.F.	Trueb, L.		Stuart, B.
Lundberg, J.G.	Wake, M.H.		

Class of 2014	Class of 2015	Class of 2016	Class of 2017	Class of 2018
Armbruster, J.W.	Crumly, C.R.	Allen, L.G.	Burbrink, F.T.	Baldwin, C.C.
Bauer, A.M.	Espinoza, R.E.	Austin, C.C.	Conway, K.W.	Craig, M.T.
Berra, T.	Friel, J.P.	Bevier, C.R.	Douglas, M.R.	de Queiroz, K.
Boone, M.D.	Marsh-Matthews, E.	Cashner, M.F.	Montgomery, C.E.	Diaz, R.E.
Chakrabarty, P.	Munroe, T.A.	Doody, J.S.	Neighbors, M.A.	Leaché, A.D.
Crother, B.I.	Paterson, A.	Ferraris, C.J.	Rocha, L.A.	López, J.A.
Hartel, K.E.	Pyron, M.	Fontenot, C.L.	Ross, S.T.	Piller, K.R.
Hillis, D.M.	Richter, S.C.	Schaefer, S.A.	Siegel, D.S.	Pyron, R.A.
Mabee, P.	Webb, J.	Snyder, A.M.	Watkins-	Turner, T.F.
Parris, M.	White, M.E.	Spencer, C.L.	Colwell, G.J.	Willson, J.D.
			Watling, J.I.	

Officers – 2014

President – H. Bradley Shaffer
President-Elect – Larry G. Allen
Past President – William J. Matthews
Prior Past President – Steven J. Beaupre
Secretary – Maureen A. Donnelly
Treasurer – F. Douglas Martin
Editor – Christopher Beachy

Copeia Staff – 2014

Editor – Christopher Beachy
Production Editor – Kathleen Smith
Figure Editor – Wm. Leo Smith
General Ichthyology Editor – Roberto Reis
General Ichthyology Editor – Donald G. Buth
General Herpetology Editor – Michael J. Lannoo
General Herpetology Editor – Bryan Stuart
General Herpetology Editor – Jacob Kerby
Ecology and Ethology Editor – Jacob Schaefer
Ecology and Ethology Editor – Joel Snodgrass
Ecology and Ethology Editor – Jacqueline Litzgus
Genetics, Development and Morphology Editor – Wm. Leo Smith
Genetics, Development and Morphology Editor – Dustin Siegel
Genetics, Development and Morphology Editor – Terry Grande
Physiology and Physiological Ecology Editor – Karen Martin
Index Co-Editor – Cynthia Klepadlo
Index Co-Editor – Jay W. Orr
Book Review Editor Ichthyology – Prosanta Chakrabarty
Book Review Editor Herpetology – Robert E. Espinoza

ASIH Committees - 2014

AUDIT COMMITTEE

Michael E. Douglas - med@inhs.uiuc.edu (Chair)
Members: Steven J. Beaupre, William J. Matthews

COMMITTEE ON SPECIAL PUBLICATIONS

Jon Armbruster - armbrjw@auburn.edu (Chair)
Members: Hank Bart, Jacqueline Litzgus

COMMITTEE ON GRADUATE STUDENT PARTICIPATION

Shab Mohammadi - shab.mohammadi@usu.edu (Chair)
Abbigail Nicholson - aenicholson1s@semo.edu (Chair-elect)
Justin Rheubert - justin.rheubert00@gmail.com (Secretary)

Book Raffle Committee:

Malorie Hayes – malorie.hayes@auburn.edu (Chair)

William Ludt – mbludt@gmail.com

Workshop committee

Aaron Geheber – aaron.d.geheber-1@ou.edu

James Cureton – james.c.cureton.ii@gmail.com

Travel awards organizer – Drew Davis – drew.davis@usd.edu

Conservation Committee Representatives: Luke Bower (Luke.Bower@selu.edu), Laura Jackson (laura.jackson-2@selu.edu)

Long Range Planning & Policy Committee Representatives: Caleb McMahan (cmcmah2@tigers.lsu.edu), Malorie Hayes (malorie.hayes@auburn.edu)

Web Content Coordinator – Thaddeus Buser - tbuser@alaska.edu

CONSERVATION COMMITTEE

Frank McCormick - FMcCormick@fs.fed.us (Chair)

Members: Matt Aresco, Jonathan Baskin, Luke Bower (student member), Noel Burkhead, Todd Campbell, Jacque Carter, Barry Chernoff, Walt Courtenay, Anna George, David Green, Harry Greene, Pat Gregory, Gene Helfman, Karen Lips, Bill Loftus, Nick Mandrak, Joe Mitchell, Henry Mushinsky, Jack Musick, Joe Nelson, Phil Pister, George Rabb, Stephen Richter, Al Savitzky, Brad Shaffer, Gerald (Jerry) Smith, Peter Unmack, Steve Walsh, Laura Jackson (student member), Mel Warren, Jim Williams

EDUCATION AND HUMAN RESOURCES COMMITTEE

Michael Pauers - michael.pauers@uwc.edu (Chair)

Members: Mollie Cashner, Prosanta Chakrabarty, Carol Johnston, Elizabeth Marchio (student member), Rod Williams

ENDOWMENT and FINANCE COMMITTEE

Michael Retzer - michaelretzer@sbcglobal.net (Chair)

Members: Frank Pezold (2011-2014), Linda Ford (2013-2016), Kathleen Cole (2014-2016), F. Douglas Martin (Ex Officio), Jacqueline Litzgus (Ex Officio)

EXECUTIVE COMMITTEE

H. Bradley Shaffer - brad.shafer@ucla.edu (Chair & President)

Members: Larry G. Allen (President-Elect), William J. Matthews (Past President), Steven J. Beaupre (Prior Past President), Jacqueline Litzgus (Chair of LRPP) Christopher Beachy (Editor), Michael Retzer (Chair of ENFC), Maureen Donnelly (Secretary), F. Douglas Martin (Treasurer)

HENRY S. FITCH AWARD COMMITTEE

Darrel R. Frost – frost@amnh.org (Chair)

Members: Karen R. Lips (2013-2015), Richard Seigel (2014-2016)

GAIGE FUND AWARD COMMITTEE

Nicole Valenzuela - nvalenzu@iastate.edu (Chair)

Members: Christopher Tracy (2013-2015), Karen Lips (2014-2016)

HERPETOLOGICAL ANIMAL CARE COMMITTEE

Christopher Parkinson – Parkinson@ucf.edu (Chair)

Members: Matthew Parris, Alan Savitzky

HONORARY FOREIGN MEMBER IN HERPETOLOGY

Darrel R. Frost – frost@amnh.org (Chair)

Members: Aaron Bauer, Maureen A. Donnelly

ICHTHYOLOGICAL ANIMAL CARE COMMITTEE

Edie Marsh-Matthews – emarsh@ou.edu (Chair)

Members: Nate Frassen, Michael Heithaus, Alexandra Snyder

ICHTHYOLOGICAL AND HERPETOLOGICAL COLLECTIONS COMMITTEE

Mark Sabaj Pérez - sabaj@acnatsci.org (Chair)

Symposium Subcommittee: Greg Watkins-Colwell (gregory.watkins-colwell@yale.edu), Mark Sabaj Pérez (sabaj@acnatsci.org)

Newsletter Subcommittee: H. J. Walker - hjwalker@ucsd.edu (Chair) Members: Cynthia Klepadlo, Rob Robins, Lou Van Guelpen, Matthew T. Craig

Supplies and Practices Subcommittee: Nelson Rios - nelson@museum.tulane.edu (Chair)

Members: Andy Bently, Barbara Brown, Ben Frable, J. Tom Giermakowski, Mary Anne Rogers, Jessica Rosales, Mark Sabaj Pérez, Gregory Schneider, Randy Singer, Ken Thompson, Lou Van Guelpen

Ichthyological & Herpetological Data Standards Subcommittee: Jeffrey T. Williams - WILLIAMSJT@si.edu (Chair)

Members: Stanley D. Blum, Paulo Andrea Buckup, David Catania, Dean Hendrickson, Katherine Pearson Maslenikov, Richard Pyle, Nelson Rios, Jens V. Vindum

JOINT ASIH-AFS COMMITTEE ON NAMES OF FISHES

Lawrence M. Page - lpagel@ufl.edu (Chair)

Members: Carole Baldwin, Lloyd Findley, Carter Gilbert, Karsten Hartel, Juan Jacobo Schmitter-Soto, Robert Lea, Nicholas Mandrak, H.J. Walker

ROBERT K. JOHNSON AWARD COMMITTEE

Henry L. Bart - hbartjr@tulane.edu (Chair)

Members: Robert E. Espinoza (2013-2015), Kathleen Cole (2014-2016)

LONG RANGE PLANNING AND POLICY COMMITTEE

Jacqueline Litzgus - jlitzgus@laurentian.ca (Chair)

Members: Carol Johnston, Stephen T. Ross, Frederick Zaidan III (Chair-elect for 2015), Michael Retzer (Ex Officio)

MEETING MANAGEMENT AND PLANNING COMMITTEE

Henry Mushinsky - mushinsk@usf.edu (Chair)

Members: Kyle Piller, Marlis R. Douglas

JOSEPH S. NELSON AWARD COMMITTEE

Larry G. Allen - larry.allen@csun.edu (Chair)

Members: Cristina Cox Fernandes (2013-2015), Lynne Parenti (2014-2016)

NOMINATING COMMITTEE

Carol Spencer - atrox@berkeley.edu (Chair)

Members: Chad Montgomery, Mark Sabaj Pérez, Theodore Pietsch

PUBLICATION POLICY COMMITTEE

Christopher K. Beachy – copeia@selu.edu (Chair)

Members: all Associate Editors and Book Review Editors

RANEY FUND AWARD COMMITTEE

Michael Collyer - michael.collyer@wku.edu (Chair)

Members: Paula Raelynn Deaton (2013-2015), Kevin Conway (2014-2016)

RESOLUTIONS COMMITTEE

Frank McCormick – fmccormick@fs.fed.us (Chair)

Members: Matthew Craig, Kirsten Nicholson

ROBERT H. GIBBS, JR. MEMORIAL AWARD COMMITTEE

Richard Vari - varir@si.edu (Chair)

Members: Brian Sidlauskas (2013-2015), G. David Johnson (2014-2016)

STUDENT AWARDS COMMITTEE

Larry G. Allen - larry.allen@csun.edu (Co-Chair)

Emily Taylor – etaylor@calpoly.edu

Members: Stoye & Storer Judges: To Be Announced at Annual Banquet

WEB CONTENT AND MANAGEMENT COMMITTEE

Steven J. Beaupre – sbeaupre@uark.edu (Chair)

Members: Maureen Donnelly (ex officio), Melissa Gibbs, John Lundberg, Margaret Neighbors, Brian Sidlauskas, Jacqueline Webb

HISTORY OF THE SOCIETY COMMITTEE

David G. Smith - smithd@si.edu (Co-Chair)

Joseph C. Mitchell - dr.joe.mitchell@gmail.com (Co-Chair)

Members: Inci Bowman, Vic Hutchison, Leo Smith, Susan Walls

AD HOC COMMITTEE FOR THE 100TH ANNIVERSARY OF ASIH

Eric Hilton – ehilton@vims.edu (Chair)

Members: Joe Mitchell, David Smith, Chris Beachy, Inci Bowman, Mark Sabaj Perez, Henry Mushinsky, Martha Crump, William Matthews, Maureen Donnelly

AD HOC COMMITTEE ON ASIH MEMBERSHIP

Brian Sidlauskas – brian.sidlauskas@oregonstate.edu (Chair)

Members: David Cundall, J. Sean Doody, Richard Durtsche, Lynne Parenti, Melissa Pilgrim, Luiz Rocha, Scott Schaefer, Mollie Cashner, Malorie Hayes (student)

AD HOC COMMITTEE ON COPEIA

Jacqueline Webb – Jacqueline_Webb@uri.edu (Chair)

Members: Donald Buth, Kathleen Cole, Wm. Leo Smith, Christopher Beachy, Caleb McMahan (student)

REPRESENTATIVES TO OTHER SOCIETIES

AMERICAN ELASMOBRANCH SOCIETY - Ed Heist - edheist@siu.edu

AMERICAN FISHERIES SOCIETY – Marlis R. Douglas – mrd1@uark.edu, Michael E. Douglas – med1@uark.edu

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES - Alan Savitzky - asavitzk@odu.edu

BIOONE - Carole Baldwin - BALDWINC@si.edu

HERPETOLOGISTS' LEAGUE - Alan Savitzky - asavitzk@odu.edu

NATURAL SCIENCE COLLECTIONS ALLIANCE - Larry M. Page - lpage1@ufl.edu

SOCIETY FOR THE PRESERVATION OF NATURAL HISTORY COLLECTIONS - Luiz Rocha - lrocha@calacademy.org

SOCIETY FOR STUDY OF AMPHIBIANS AND REPTILES - Alan Savitzky - asavitzk@odu.edu

Reports and Agenda for the 2015 Meeting of the Board of Governors of the American Society of Ichthyologists and Herpetologists

Organization and Announcements

1. Call to order - President Allen
2. Governors Sign In - Secretary Donnelly
3. Distribution of late reports or additions to reports - Secretary Donnelly
4. Messages of regret from absentee governors - Secretary Donnelly
5. Call for motion to approve minutes of 2014 meeting of the Board of Governors as published in *Copeia* 2014:780-787 (see Appendix E) - President Allen
6. Announcement of appointment of Resolutions Committee - President Allen
7. Announcement of Stoye and Storer Award Judges (names withheld until Annual Business Meeting) - President-Elect Donnelly
8. Future annual meetings – Governor Henry Mushinsky
2016 – New Orleans, LA (Marriott on Canal St.)
2017 – Austin, TX (The Renaissance in the Arboretum District)
2018 – To Be Determined During the 2015 Meeting

Reports

Reports of Officers

9. EXEC: Summary of EXEC Meeting 15 July 2015 - *M.A. Donnelly* --
10. SECR: SECRETARY - *M.A. Donnelly* 12
11. TREA: TREASURER – *F.D. Martin* 16
12. EDIT: EDITOR - *C.K. Beachy* 17
13. PRES: PRESIDENT’S REPORT – *L.G. Allen* 20
14. PPRE: PAST PRESIDENT’S REPORT – *H.B. Shaffer* 21

Reports of Committees

15. PUBC: Publications Committee - <i>C.K. Beachy</i>	22
16. ENFC: Endowment & Finance Committee - <i>M. Retzer</i>	24
17. EXEC: Executive Committee - <i>M.A. Donnelly</i>	26
18. GFAC: Gaige Fund Award Committee – <i>C. Tracey</i>	27
19. GSPC: Committee on Graduate Student Participation – <i>S. Mohammadi</i>	28
20. HSFC: Henry S. Fitch Award Committee – <i>K.R. Lips</i>	31
21. JSNC: Joseph S. Nelson Award Committee – <i>C. Cox Fernandes</i>	31
22. LRPP: Long Range Planning & Policy Committee – <i>J. Litzgus</i>	32
23. MMPC: Meetings Management Committee - <i>H.R. Mushinsky</i>	33
24. NOMC: Nominating Committee – <i>T.W. Pietsch</i>	35
25. RFAC: Raney Fund Award Committee – <i>R. Deaton</i>	35
26. RHGC: Robert H. Gibbs, Jr. Memorial Award Committee – <i>B. Sidlauskas</i>	37
27. RKJC: Robert K. Johnson Award Committee – <i>R.E. Espinoza</i>	37
28. AES: Representative to the American Elasmobranch Society - <i>E.J. Heist</i>	37
29. AFSR: Representatives to the American Fisheries Society – <i>M.E. Douglas and M.R. Douglas</i>	38
30. AUDC: Audit Committee – <i>M.E. Douglas</i>	39
31. AIBS: Representative to AIBS and BioOne - <i>A.H. Savitzky</i>	39
32. CONS: Conservation Committee – <i>F. McCormick</i>	41
33. EHRC: Education and Human Resources Committee – <i>M. Pauers</i>	41
34. HACC: Herpetological Animal Care and Use Committee – <i>C.L. Parkinson</i>	42
35. HSOC: Representative to the Herpetologists’ League and the Society for the Study of Amphibians and Reptiles - <i>A.H. Savitzky</i>	43

36. IACC: Ichthyological Animal Care and Use Committee – <i>E. Marsh-Matthews</i>	43
37. IHCC: Ichthyological and Herpetological Collections Committee <i>M. Sabaj Pérez</i>	44
38. NFJC: Joint ASIH-AFS Committee on Names of Fishes - <i>L.M. Page</i>	54
39. NSCAR: Representative to the Natural Science Collections Alliance - <i>L.M. Page</i>	55
40. SPUC: Special Publications Committee – J.W. Armbruster	55
41. WCMC: Web Content and Management Committee - <i>S.J. Beaupre</i>	56
42. HIST: History of the Society Committee - <i>D.G. Smith & J.C. Mitchell.</i>	58
43. Ad Hoc Committee on the 100 th Anniversary of ASIH – <i>E. Hilton</i>	59
44. Ad Hoc Committee on ASIH Membership – <i>B. Sidlauskas.</i>	60
45. Ad Hoc Committee on <i>Copeia</i> – <i>J. F. Webb</i>	61

Appendices

46. Appendix A. ASIH Constitution (Revised 2014)	65
47. Appendix B. Treasurer’s Tables	75
Table 1. ASIH profit & loss (accrual basis) for 2013 and 2014.	
Table 2. ASIH membership and subscription numbers for current and past years and income from online sources of <i>Copeia</i> .	
Table 3. ASIH year-end balance sheets (accrual basis) for 2013 and 2014.	
Table 4. ASIH accounts and their allocation to ASIH funds as of 31 December 2014 statements.	
Table 5. Portfolio detail of the ASIH Wells Fargo Advisors Managed Investment Account (FundSource Moderate Growth and Income) on 31 December 2014.	
48. Appendix C. Candidate Information for 2015 elections	87
49. Appendix D. 2015 Officers, <i>Copeia</i> Staff, Committees, BOG 2015.	100
50. Appendix E. Summary of the Meetings 2014	107

Business Session

51. Call for blanket approval of BOFG agenda items (#54-60) and reports of officers, representatives, and committees, exempting those removed by EXEC and BOFG members for discussion
52. Discussion of reports exempted from blanket approval
53. Discussion of Old Business
54. Discussion of New Business
55. Call for BOG approval of Ballots (BOG ballot & General Election Ballot)
56. Board of Governor's Elections: Fitch Committee, Gibbs Committee, Johnson Committee, and Nelson
57. Adjournment

10. SECR: Secretary - Maureen A. Donnelly

The year 2014 was an interesting one for the Office of the Secretary of the ASIH. This is the penultimate time I have to prepare the Secretary's report and the LAST time I have to assemble the BOG meeting book! I will write a 2015 report of the Secretary's activities and the Executive Committees activities for 2015, but the 2016 book will be assembled by the new Secretary! Brooks Burr prepared the 2000 meeting book following Bob Johnson's untimely passing and I am happy to turn this chore over to a new person beginning next year.

The new JMIH program officer (Marty Crump) is in place, and the JMIH is moving along successfully under new management. I attended the 2014 planning meeting in Chattanooga to help out with the transition to the new JMIH Program Officer (Martha Crump). I wrote my last "trip report" as part of my contribution to the 2014 planning group. While I miss my colleagues, I do not miss the immense amount of work associated with "running the meeting" and am glad that the new program officer has met with great success. I knew that Marty would be perfect for the job and she has exceeded every expectation I had for her. Thanks so much Marty!

Our webmaster, Dennis Murphy, has done an excellent job maintaining our electronic presence and our website has been an excellent change for the ASIH. We get immediate help and posts are updated regularly. I immediately noticed a difference in how the web worked for the ASIH, and the new format was easy to learn and operate. The new Secretary has his work cut out for him because the new page is easy to work with. Dennis has been a great person to interact with and we are in very good hands. Thanks also go to Prosanta Chakrabarty (Twitter management) and to Luiz Rocha (Facebook page management) for their work on behalf of the ASIH in the social media arenas. Many thanks to Dennis Murphy, Prosanta Chakrabarty & Luiz Rocha?

The email traffic in 2014 was voluminous – over 19,000 messages came into my gmail account in 2014 and of that, the ASIH email accounts for more than 1000 pages of 10 point font worth of ASIH activities and information. Managing emails is a Sisyphusian job and I am glad that I only have one year left of that chore! I hope to finish up my duties in 2015 by the end of calendar 2015, so I can turn to presidential initiatives I wish to chase in 2016 (fund raise to support student participation in our 100th Anniversary Meeting and increase membership through directed contact with professionals who are not currently ASIH members).

I started copying Secretary-Elect Prosanta Chakrabarty to email messages since the 2014 meeting so he has examples to draw from when he takes the reins on 1 January 2016! I use the email traffic to monitor activity in the Secretary's office and that email traffic form the basis for this report.

A small group of individuals were asked by JMIH Program Officer Crump to test the abstract page and we did so in January, 2014. The Long Range Planning and Policy (LRPP) Committee introduced a brochure that could be included with registration materials at the annual meeting. Margaret Neighbors designed the brochure and it was printed and included in the 2014 meetings materials. Governor Neighbors saw promotional materials from other groups and feels that the ASIH should also have promotional materials. The LRPP wanted to make some changes to the brochure and the status of the project is not known as of this writing. I updated the ASIH website with the new members of the Board of Governors, new officers, and changes to Committees made by President Matthews. I arranged to get the current ASIH membership list sent to Heide Burke the JMIH Meeting Coordinator for the 2014 meeting. I arranged for the

payment of the abstracts by connecting Oxford Abstracts with Treasurer Martin. That duty has now successfully passed to Marty Crump who works with Treasurer Doug Martin.

I helped Marty Crump during the year as she navigated the meeting preparation (opening the abstract site, printing them off, organizing the electronic files, accepting the abstracts, sending files out to member societies so they can find judges and check membership status of students). Marty is an exemplary program officer and is well-organized. Her production schedule exceeded any of mine and her work product was exceptional. The K-State team had no problem working with Marty and the transition has been fairly seamless.

I sent out a request to the governors to agree to the Conflict of Interest (COI) statement early in the year. Our compliance with the COI is part of our responsibilities with being a not-for-profit organization. I worked on the constitutional changes and compiled all recommended changes from governors and members. These were circulated to the Executive Committee, the Board of Governors and to the membership in the Spring of 2014. The 42 changes to the constitution, were considered during the Board of Governors Meeting (all the changes were accepted), and the Annual Business Meeting (all the changes were accepted). The new version of Constitution as posted to the website shortly after ratification during the 2014 meeting.

During the year I worked with many individuals who wished to post jobs to the website. Dennis Murphy has taken that over completely. Andres Lopez also still gets some requests and we both refer persons directly to Dennis.

I worked with the Chair of the Nominating Committee to help them find slates of candidates for both the Board of Governors Elections (Fitch, Gibbs, Johnson, Nelson Award Committees) and the General Election (all other officers). We used the website to call for symposia for 2016 and for nominations for the awards presented annually by the ASIH. I revised all the award announcements for the website and for publication in Copeia. I worked with Gaige, Raney, Graduate Student Travel, and STAC chairs to verify membership of student competitors.

Presidents Shaffer quickly appointed an Honorary Foreign Member in Herpetology committee chaired by Darrel Frost to fill an opening created by the death of Alice Grandison. We also updated information for our Honorary Foreign members on the ASIH website. I responded to the receipt of check reports sent to me by Treasurer Martin by looking them over, signing off, sending an email to Treasurer Doug Martin and the Chair of the Audit Committee to inform them that the spending patterns are typical for the ASIH.

I asked Allen Press to reduce the inventory of our print holdings following the last fire sale to move the books (and journals). We sold some books during the fire sale, but the high cost of shipping was not attractive. Every year we send the students a complete set of our book holdings for the student book raffle. I worked with Allen Press on the renewal materials, on deciding how large the four press runs should be, and I approved all requests to rent our membership list to generate some revenue for the society. I approved the print runs for all four issues of 2014.

The ASIH partnered with the American Elasmobranch Society (AES) to give the first Meritorious Award for Teaching Ichthyology with each society contributing \$250 to the prize (along with a plaque). Michael Pauers, Chair of the Education and Human Resources Committee, served as the chair. The award was presented in Chattanooga, Tennessee in 2014 to Gene Helfman. Gene proceeded to donate his award back to the two sponsoring societies to support graduate students. Congratulations to Gene on this recognition for his exceptional teaching of ichthyology!

I prepared the judging packets for the Stoye and Storer judges and verified membership one last time prior to the meeting. Governor Brian Sidlauskas revised our judging forms so that both forms measure the same accomplishments (one form is a scoring form for the judge and the other is a feedback form that is mailed out to each student competitor after the meeting). I reminded President Shaffer that he had to form a Resolutions Committee for the 2014 meeting (chaired by Frank McCormick). Following the meeting, a resolution for Jack Randall's 90th birthday was presented to the Executive Committee and Board of Governors that accepted the resolution by acclamation. To prepare for the meeting, I assembled the Board of Governors book of reports that covered activities in 2013 and 2014. This included all of the constitutional changes that were considered in 2014. Bernie Kuhajda sent a letter to the 2014 Resolutions Committee through me concerning the 2014 resolutions; the one that concerned him most was removed. The new constitution was posted to the website following the meeting.

Following the 2014 meeting, the ASIH Meetings Management Committee and the JMIH Meetings Committee initiated a search for a new meetings coordinator. Kansas-State University Conference Services increased their rates substantially and the meetings groups felt it was in our best interest to search openly. That activity generated a list of bids from seven firms; K-State was retained as our meetings firm. For the 2015 meeting, we will have "lightning" talks as a special session. The talks have abstracts and should be an interesting new experience for all of us.

We moved the "late fee" application at Allen Press to February 16 of a given year to provide our members who forget to renew, an opportunity to do so early in the year without acquiring the automatic late fee.

We distributed the revised codon list to the membership for Chair of the Ichthyological and Herpetological Collections Committee and I distributed a letter from Leonard Compagno to the Executive Committee which sent it to the Chair of the Conservation Committee.

I participated with Steve Beaupre and Brad Shaffer in a conference all with AFS to discuss our operations. It was a collegial discussion and we described our operations to them. I worked with Treasurer Martin to distribute the audit and the 990 form for 2013. The 990 form should be distributed in 2015 for the 2014 board soon so that we have a chance to make input prior to filing and moving it to the auditor.

Meeting in Tennessee generated a resolution regarding the teaching of Evolution. That resolution and a 2008 resolution were sent to Glenn Branch at the request of Governor Vic Hutchison. I sent out email messages to the list of officials provided to me by Governor Hutchison and paper letters to those who had "bad" email addresses. We also formally withdrew the resolution concerning apparent lack of recycling passed during the 2014 Annual Business Meeting because the resolution was not derived from factual information, but the appearance of a lack of recycling (all trash from the convention center is hand sorted to pull recyclable refuse out of the stream).

Following the meeting in Chattanooga, I sent out messages of congratulations and thanks for the slate of candidates in 2014. Our society runs on the backs of volunteers and we are grateful to everyone who is willing to do the heavy lifting to make the ASIH run. Whit Gibbons who was elected by the Board of Governors for a term on the Henry S. Fitch Award Committee informed me that he has already served on the committee and wished to be released from double dipping his toes in the ASIH waters. The ASIH Executive Committee and Board of Governors voted to turn to the first runner-up (Jonathan A. Campbell) and Jon agreed to the three-year term of service. Letters of thanks for service in 2014 were sent out from my office electronically to

keep with our green initiatives. The BOG book was distributed electronically only in 2014 and that trend will continue going forward to reduce paper and transportation costs.

The winners of our awards for publication in *Copeia* are repeated here from Editor Beachy's report for the 2014 BOG book:

BEST PAPER, HERPETOLOGY, Richard C. Bruce, "Size-mediated tradeoffs in life-history traits in dusky salamanders." *Copeia* 2013:262-268.

BEST PAPER YOUNG SCHOLAR, HERPETOLOGY, Vladimir Dinets, "Long-distance signaling in Crocodylia." *Copeia* 2013:517-526.

BEST STUDENT PAPER, HERPETOLOGY, Cheryl A. Bondi and Sharyn B. Marks, "Differences in flow regime influence the seasonal migrations, body size, and body condition of Western Pond Turtles (*Actinemys marmorata*) that inhabit perennial and intermittent riverine sites in northern California." *Copeia* 2013:142-153.

BEST PAPER, ICHTHYOLOGY, Donald J. Stewart, "Re-description of *Arapaima agassizii* (Valenciennes), a rare fish from Brazil (Osteoglossomorpha: Osteoglossidae)." *Copeia* 2013:38-51.

BEST PAPER YOUNG SCHOLAR, ICHTHYOLOGY, Windsor E. Aguirre, Virginia R. Shervette, Ronald Navarrete, Paola Calle, and Stergiani Agorastos, "Morphological and genetic divergence of *Hoplias microlepis* (Characiformes: Erythrinidae) in rivers and impoundments of western Ecuador." *Copeia* 2013:312-323

BEST STUDENT PAPER, ICHTHYOLOGY, Sarah Z. Gibson, "Biodiversity and evolutionary history of †*Lophionotus* (Neopterygii: †Semionotiformes) from the western United States." *Copeia* 2013:582-603.

I worked with the Conservation Committee from the ASIH and committees from the other herpetological societies to sign off on a letter sent to the US Fish and Wildlife Service concerning the new emerging disease striking amphibians in Europe. The new fungal disease, *Bsal* (a relative of *Bd*), could have horrific effects on our native salamanders if the pet trade moves the disease from Europe to the United States. President Shaffer signed with all other society presidents.

I granted copyright release for three projects in 2014: figures for two book-length projects, and a request by the Virginia Institute of Marine Sciences to post John Olney's obituary on their website. I used the ASIH blast function 12 times in 2014: announced the opening of the abstract-submission site (10 January 2014), announced deadlines for abstract submission (10 March 2014), called for nominees for the Robert K. Johnson Award (7 April 2014), announced the constitutional changes (16 April 2014), announcement of the Graduate Student Travel awards (30 April 2014), posted of the JMIH planning meeting trip report (1 May 2014), announced additional changes to the constitution (5 May 2014), called for nominations for the Meritorious Award for Teaching Ichthyology (6 May 2014), distributed the list of new codons (26 September 2014), announced the launch of the Amazon Smiles Program wherein ASIH earns money off every purchase made by members linked to our account (1 October 2014), announced the availability of a special issue on Animal Translocation from the journal *Animal Conservation* (21 November 2014), and announced the JPASS opportunity for ASIH members (22 December 2014). Additionally we announced the passing of several members of the ASIH on the website.

Respectfully submitted,
Maureen A. Donnelly
ASIH Secretary

11. TREA: Treasurer – F. Douglas Martin

This report is based on account statements, QuickBooks reports, and supporting materials being audited by Steven W. Cook, Certified Public Accountant, San Antonio, Texas for 2014. The 2014 audit report will be posted on the ASIH website when completed.

In profit and loss reports, ASIH income and expenses for a given year are divided into those associated with programs of the society (awards, annual meetings, dues, subscriptions, and publications) and those related to management and general operations. Income exceeded expenses by \$85,712 in 2014 with the inclusion of realized and unrealized investment gains and losses (Table 1). Membership numbers decreased slightly in 2014 while subscription numbers continued to decline while revenue loss was only partly replaced by substantial BioOne and JSTOR royalties (Table 2). Sales, both in numbers sold and in income, of Special Publications was increased by having a sale with greatly reduced prices in 2013. Page charges accounted for \$1200 of income for 2014. The 2014 meetings in Chattanooga brought in \$53,951.

The balance sheet (Table 3) lists ASIH assets, liabilities and equities on an accrual basis. ASIH income received by Allen Management is deposited in an account at US Bank. The Wells Fargo Advisors Command Asset performance account is split between two lines, with outstanding checks with outstanding checks at year's end listed under "Current Assets" and the holdings in the brokerage account (Federated Prime Cash Obligations Fund, and bank sweep money market) listed under "Other Assets". The value of the investments in the managed account increased in 2014, contributing to an increase in the total asset value at the end of the year (\$1,576,568) compared to that of 2013 (\$1,466,017) on the balance sheet.

The three ASIH accounts in which the individual society funds are comingled held \$1,509,036 on the December 2014 statement (Table 4). Of this total, the holdings in the WFA managed investment account were worth \$1,002,066 (Table 5). This fund yielded 7.58% income after fees.

ASIH remains in excellent financial condition. The current cash available is sufficient to cover expected expenses for the coming year.

Respectfully submitted,
F. Douglas Martin, Treasurer

See Appendix B

Treasurer's Table 1. ASIH profit & loss on an accrual basis for 1 January to 31 December 2014 with a comparison to 2013 values.

Treasurer's Table 2. ASIH membership and subscription numbers for past years and income from online sources of *Copeia*.

Treasurer's Table 3. 2014 year end balance sheet (accrual basis) with a comparison to the previous year. 2013 balance sheet based on the information given to the ASIH auditor.

Treasurer's Table 4. ASIH accounts and their allocation to ASIH funds as of 31 December 2014 statements.

Treasurer's Table 5. Portfolio detail of the ASIH Wells Fargo Advisors managed investment account (Fund Source Moderate Growth) on 31 December 2014.

12. EDIT: Editor - Christopher K. Beachy

Two thousand fourteen was busier than the previous three years. This was due to several reasons that are discussed below. *Copeia* continues to be produced effectively by Production Editor Katie Smith, Figure Editor Leo Smith and the staff of Associate Editors.

The biggest challenge to the journal was the transition to online early. While all have deemed this a valuable effort, the most gracious description of this transition would be “awkward.” While the *Copeia* production staff were mostly effective in this transition, we found that Allen Press was not as prepared as we were for this move. I suggest this is principally due to the lack of number of personnel that Allen Press dedicates to *Copeia*. This is likely a consequence of market pressures. The result of the poor transition period was the ironic delay in the print journal. Issue #4 was mailed in 2015 and two weeks late. Issues #1-3 were mailed months late. I am hopeful that this does not have long-lasting effects on any taxonomic issues. Issue 1 of 2015 mailed on time, and issue 2 of 2015 is on schedule for mailing on time.

One challenge that was positively met by our Editorial Staff concerns the impact factor of *Copeia*. During the Chattanooga meeting, new impact factors were published and the *Copeia* score was an anemic 0.23. Thanks to the outstanding vigilance of AE Leo Smith, it became clear that this was an error in calculation. Smith’s tenacity resulted in the correction of *Copeia*’s impact factor to 0.901. This score places the journal directly in the center of the zoology journals that *Copeia* is properly compared to: 82 out of 152. In addition, a 0.901 is a significant one-year improvement from the 2013 score of 0.67. This is the first increase in impact factor for several years. We are eager to continue this progression and hope to report in a few months what Albuquerque meeting guest E.D. Cope hoped for: an integer!

We have embraced and are encouraging and enforcing two new ideas. First, all new taxa in *Copeia* must report ZooBank numbers. This requirement was begun in January 2015, and because of timing, it will not be until issue 3 of the 2015 volume that all new taxa will have ZooBank numbers. Second, we have begun encouraging the use of digital repositories for supplemental files. At present, I am work with Dryad on development of a fee structure, and will present this to the PPC at the Reno meeting. We will consider other forms of digital repository as well.

Regarding impact factors: A partial cause of the low score of *Copeia* is the use of the year as volume number. In addition to other reasons for changing our volume numbering system that were discussed at the Chattanooga PPC meeting (see the PPC report later in this report), changing to a volume numbering system will allow *Copeia* to be tracked better by impact factor algorithms. Editor Beachy considered that the change of volume numbering was under his authority. He consulted with the Past-President Matthews, President Shaffer, and President-Elect Allen and they agreed that this decision could be an Editorial one. Thus *Copeia* is now in a new volume numbering system. The 2015 volume is Volume 103.

This was the third year of awarding special papers published in *Copeia*. The following papers were considered by a panel, selected by the Editor, of Associate Editors, Editorial Board members and ASIH members, to be the best papers published in the 2014 volume. These awards were initiated for the 2012 volume. Six papers are recognized each year: three in herpetology and three in ichthyology. There are three categories: Best Paper Overall, Best Paper Young Scholar, and Best Student Paper. The Best Paper Overall is chosen without regard to rank. The Best Paper Young Scholar is chosen when the lead author is either a postdoc or untenured at the time of

submission. The Best Student Paper is chosen when the lead author is a student at the time of submission. This year, two papers were selected as Best paper in Ichthyology.

BEST PAPER, ICHTHYOLOGY, Eric J. Hilton, Peter Konstantinidis, Nalani K. Schnell and Casey B. Dillman, “Identity of a Unique Cartilage in the Buccal Cavity of Gars (Neopterygii: Lepisosteiformes: Lepisosteidae).” *Copeia* 2014:50-55.

BEST PAPER, ICHTHYOLOGY, J. Ellen Marsden and Harrison Tobi, “Sculpin Predation on Lake Trout Eggs in Interstices: Skull Compression as a Novel Foraging Mechanism.” *Copeia* 2014:654-658.

BEST PAPER YOUNG SCHOLAR, ICHTHYOLOGY, Christopher Izzo, Terry Bertozzi, Bronwyn M. Gillanders and Stephen C. Donnellan, “Variation in Telomere Length of the Common Carp, *Cyprinus carpio* (Cyprinidae), in Relation to Body Length.” *Copeia* 2014:87-94.

BEST STUDENT PAPER, ICHTHYOLOGY, Muchu Zhou, Ashley M. Johnson and Rebecca C. Fuller. “Patterns of Male Breeding Color Variation Differ across Species, Populations, and Body Size in Rainbow and Orangethroat Darters.” *Copeia* 2014:297-308.

BEST PAPER, HERPETOLOGY, Brian K. Sullivan, Marlis R. Douglas, James M. Walker, James E. Cordes, Mark A. Davis, Whitney J. B. Anthonysamy, Keith O. Sullivan and Michael E. Douglas, “Conservation and Management of Polytypic Species: The Little Striped Whiptail Complex (*Aspidoscelis inornata*) as a Case Study.” *Copeia* 2014:519-529.

BEST PAPER YOUNG SCHOLAR, HERPETOLOGY, Dustin S. Siegel, Abigail E. Nicholson, Brian Rabe, Bradley Beran and Stanley E. Trauth, “The Evolution of the Sperm Transport Complex in Male Plethodontid Salamanders (Amphibia, Urodela, Plethodontidae).” *Copeia* 2014:489-502

BEST STUDENT PAPER, HERPETOLOGY, Marcie K. Reiter, Carl D. Anthony, and Cari-Ann M. Hickerson, “Territorial Behavior and Ecological Divergence in a Polymorphic Salamander.” *Copeia* 2014:481-489.

Congratulations again to these authors. Authors will be presented with a plaque at the 2015 ASIH Business Meeting, and these awards will also be recognized on the ASIH and *Copeia* websites. Special thanks to the members of the review panel: Michael Collyer, Robert Espinoza, David Sever, Richard Bruce, Windsor Aguirre, and Sarah Gibson.

Changes to the editorial staff involved the retirement of Jackie Litzgus. Jackie has been one of our best and deserves kudos for the outstanding years of service to *Copeia* and the ASIH. She’ll be missed. In addition, several members’ terms on the Editorial Board expired.

In 2014, 793 pages of *Copeia* were published over four issues: April (200 p.), September (218 p.), December (191 p.), and December (184 p.). These figures are a decrease of 44 pages (i.e., down 5%) from 2013 (which had 837 p.).

The 2014 volume included 71 research papers (606 p or 76.4% of the volume). The remaining 187 pages (23.6% of the volume) was distributed as follows: one obituary, five historical articles, fifty book reviews, an AES Presidential Address, one review paper, editorial notes and news, instructions to authors, summary of the 2014 annual meetings, award announcements, listing of honorary foreign members, subject, taxonomic, and author indices and back matter comprising societal advertisements not counted in total pagination for the volume.

Of the research and review papers published, 34 (47%) were herpetological and 38 (53%) were ichthyological. For comparative purposes, these statistics for the past several years

(% ichthyological / % herpetological) are 51/49 for 2013, 46/54 for 2012, 53/47 for 2011, and 50/50 for 2010.

There were 238 new 230 new submissions in 2104 or revised submissions in 2013, representing a 3% decrease from 2013 (238). This is an average of 19.2 new submissions each month, down from 19.9 in 2013. September (26) was the most active period, while May (9) was the slowest month. Of these new submissions, 81.3% were from the United States and the rest were received as follows: Argentina (0.4%), Australia, (0.4%), Belgium (0.4%), Brazil (5.7%), Canada (0.4%), Colombia (1.7%), Czech Republic (0.4%), Egypt (0.9%), Germany (0.9%), Iran (1.3%), Japan (0.4%), Mexico (1.7%), Norway (0.4%), Pakistan (0.4%), Spain (0.4%), Malaysia (0.4%), Sweden (0.4%), Turkey (0.4%), and the United Kingdom (0.4%).

Generally, performance statistics for editorial staff are improved for 2014 compared to 2013. For comparison, performance statistics for 2014 are followed by values for 2013 in brackets. The median time from submission to AE assignment was 8 [6] days, securing of first reviewer by the AE was 8 [9] days, securing of final reviewer by the AE was 14 [14] days, days in review was 49 [28] days, days from last review to AE recommendation was 9 [4] days, and days from AE recommendation to Editor Decision was 20 [9] days. In total, all new submissions required an average of 51 [56] days to initial decision (i.e., accept, reject, or further revision). The 2014 statistics indicate that Editorial Staff, on average, work rapidly (and are faster in 2014) and continue to work to improve in this statistic.

AE workload and average duration (from receipt of submission to decision by AE) under each AE were as follows for 2014: C. Beachy (13 new, 56 days), D. Buth (20 new, 43 days), T. Grande (5 new, 75 days), J. Kerby (11 new, 58 days), M. Lannoo (10 new, 53 days), J. Litzgus (9 new, 71 days), K. Martin (5 new, 52 days), T. Near (6 new, 55 days), R. Reis (7 new, 48 days), J. Schaefer (16 new, 58 days), D. Siegel (9 new, 40 days), L. Smith (12 new, 67 days), J. Snodgrass (4 new, 136 days), B. Stuart (7 new, 52 days). Group average time on AE desk is calculated as time of AE review (64.8 days; the data given here) minus the average duration in reviewer hands (49 days): 15.8 days. These statistics do not include those for four members of the Editorial Board that served as Special Editors to symposium proceedings.

Reviewers offer an essential service. Their service is noted annually in the #2 issue of *Copeia*. There were 263 reviews in total from 229 reviewers, and the average length of review duration was 28 days.

Allocation of manuscripts (only new submissions, and excluding manuscripts allocated to Special Editors) by sections was as follows: General Ichthyology 22 (D. Buth 10, T. Near, 3, R. Reis 9), General Herpetology 29 (J. Kerby 8, M. Lannoo 7, B. Stuart 8, C. Beachy 5), Ecology and Ethology 25 (J. Litzgus 8, J. Schaefer 15, J. Snodgrass 2), Genetics, Development and Morphology 24 (L. Smith 8, T. Grande 5, D. Siegel 6), Physiology and Physiological Ecology 7 (K. Martin 6, C. Beachy 1).

The following statistics are for a three-year cycle. It was agreed at the 2014 meeting of the Publication Policy Committee (PPC) that a three-year cycle better described rejection/acceptance rates associated with AEs. For the three-year period of 2012-2014, rejection rates by AE were as follows: C. Beachy 9%, D. Buth 6%, T. Grande, 0%, J. Kerby 29%, M. Lannoo 25%, J. Litzgus 3%, K. Martin 19%, T. Near 9%, R. Reis 4%, J. Schaefer 11%, L. Smith 16%, J. Snodgrass 20%, B. Stuart 14%.

13. PRES: President's Report – Larry G. Allen

In 2015, ASIH continues to run efficiently and is gaining momentum toward our 100th Anniversary! Our society and President rely heavily on the tireless efforts of our officers and committee members. Mo Donnelly (Secretary) continues to be amazing in both her roles as ASIH Secretary and President-elect. Doug Martin (Treasurer), Chris Beachy (Editor of *Copeia*), and our Past (Brad Shaffer) and Past-past (Bill Matthews) Presidents have all continued to provide much needed guidance and leadership. We not only have a great venue lined up for our meetings in Reno this year, but we are also far along in the planning of our centennial anniversary meeting in New Orleans next year. Thanks go out particularly to the ASIH MMPC (Henry Mushinsky, Marlis Douglas, and Kyle Pillar), Heidi Burke (KSU), and the tireless work of the NO Local Committee including Kyle Pillar, Brian Crother, and Mary White of (SE Louisiana U) and Hank Bart (Tulane U) for arranging what looks to be a triumphant return to New Orleans in 2016!

My first goal as president in 2015 has been to remain a strong advocate for the continuing support and fostering of student membership and participation at our meetings including reduced dues and meeting fees and rates. Treasurer Doug Martin indicates that we remain in a strong financial position. Therefore, I am continuing to press hard this year to move funds from our cash position to minimize costs for our student members to 1) attend meetings and events at the meetings, and 2) increase the amount of research awards for Raney and Gaige Award recipients. Students are the lifeblood of our Society contributing 50% of both the meeting attendees and contributed papers and posters each year. Although membership has stopped declining in recent years, we still need to take care of our student members and remove all road blocks to their participation in our Society. I know it is a cliché', but the students ARE our future.

My second goal is to support the great work of BOG members (e.g. Brian Sidlauskis and Prosanta Chakrabarty) and their committees to further develop ASIH's internet communication capabilities including our newly overhauled website, Facebook, twitter, and online programs and abstracts. These have obviously become the primary means by which our younger members relate to the real world and our profession.

My third goal is to remain a strong advocate for ASIH and the interests and concerns of both our ichthyologist and herpetologist members in all matters associated with our annual JMIH meetings so that the parent society does not get lost in the shuffle. I continue to remain so and plan on meeting with the Presidents of the other three societies in Reno.

The last, continuing goal is to work with Chris Beachy to streamline our on-line editing and publication of our time-honored publication, *Copeia*, and to shorten both the overall review and editorial process to shorten turn-around time and both increase paper accessibility and journal impact factor in our brave new virtual world.

Respectfully submitted,

Larry G. Allen
President, ASIH 2015
California State University Northridge

14. PPRE: Past President's Report – H. Bradley Shaffer

This report covers the period from the 2014 JMIH meeting in Chattanooga to the present. I served as President through December 31, 2014, and have been Past-President since January 1, 2015.

The ASIH continues to enjoy success on a number of fronts, even as it works to refine its role in a rapidly changing world of academic societies. We are in strong financial shape, and this allows us to accomplish key initiatives aimed at recruiting and enhancing the lives of our student membership. The 2014 ASIH/JMIH meeting in Chattanooga was amazing, well organized and very successful, thanks to the major efforts of the Local Committee and of Heidi Burke and her team, and it was a financial success for ASIH. Our committees are populated, our officers are in place and working for the society, and a number of important agendas, from reduced student membership fees to wrestling with how meetings should be run in the future, are taking place. Chris Beachy continues to lead *Copeia* through these tumultuous times for publishers of all scientific content, and the journal has remained a solidly respectable outlet for organismally-oriented science under his leadership. We're losing Mo as Secretary, and that is unthinkable after 15 years of service. But we're gaining Prosanta, and that's huge.

During the past year, a number of issues have emerged that require the thought, and the work of our most committed society members. The good news is that financial health isn't one of them—we are in reasonably strong financial health, and that allows us flexibility to deal with other issues. As Past President, I feel that one of my jobs is to try to keep track of these issues and work with current leadership to move them along. The really big ones are, in my mind, the following:

- *Keeping relevant to our membership.* As pointed out last year, it is now very clear that most of our younger members join ASIH for one reason—the annual meetings. During the past year we've had a number of discussions about the meetings, ranging from venues to the value of the Joint Meetings. We need to keep those discussions moving forward. Cost, networking capacity, location and timing are all important, and we need to keep making the meetings better.
- *Our relationship with other societies.* This is very much linked to relevance going forward.
- *Our awkward size with relationship to meeting venues.* One of the major issues of the last year has been to deal with the fact that the Joint Meetings are too small to be “big”, but too big to be “small”. This has led to us abandoning meetings, for example, at universities, and this is something that we need to reconsider and evaluate. Discussions centered on the Austin TX 2017 meetings, and we should continue this discussion this year.
- *Copeia.* Although from an Impact factor point of view the journal has gone up from 0.644 to 0.91 in the last couple of years, there is still room for improvement. During the past year we have had a number of discussions about how to accomplish that goal. The journal is part of the financial lifeblood of the ASIH as well as its intellectual core, and we need to continue to work on marketing it to our membership as a place to publish their best empirical work. Or at least some of their best work.

As Past President, I think that a major goal is to identify these issues and try to work on them. We have an amazing group with ASIH, and I was incredibly proud to be President last year. I look forward to seeing everyone in Reno.

Respectfully submitted,

Brad Shaffer
Past President, ASIH
UCLA

15. PUBC: Publications Policy Committee - Christopher K. Beachy

Publication Policy Committee (PPC) Meeting (30 July 2014; 2:00 pm)

Present: Chris Beachy (CB), Katie Smith (KS), Leo Smith (WLS), Terri Grande (TG), Dustin Siegel (DS), Jacqueline Litzgus (JL), Prosanta Chakrabarty (PC), Robert Espinoza (RE), Don Buth (DB), Cindy Klepadlo (CK), Jake Schaefer (JS), Karen Martin (KM),

Guests: Past President William Matthews, President Brad Shaffer, Jackie Webb (chair of the Ad Hoc Committee on *Copeia*)

Editor Beachy began the meeting by calling for brief introductions (although all already know one another). As usual, the first order of business was for Beachy to thank everyone for their service. Because Editor Beachy could drive his truck to this year's ASIH meeting, that meant that he could bring a cooler full of beer and soft drinks to our PPC meeting. This means the typical drink tickets reward was off-the-table for the year. Editorial staff seems to like the idea of the cooler of beer. At the least, they drank a lot of it. For the record, Don Buth only drank root beer.

Editor Beachy presented his agenda for the meeting that included only five items, but each being fairly substantive, the meeting was long and full of discussion.

DISCUSSION TOPICS

Cost of color figures: The first issue discussed concerned the cost of color figures, both those online and in the print version. Editor Beachy pointed out that despite the page charge and figure charge invoices that are sent with page proofs, there is not a mechanism for holding a paper back until the bill is paid. Beachy pointed out that the previous Editor Schaefer also did not have a way to force authors to pay. Like Schaefer, Beachy has not been holding authors papers back pending payment. Like Schaefer, Beachy does not consider collection of fees part of his responsibility as Editor. Like Schaefer before him, Beachy would be willing to try to hold authors manuscripts for payment, but this makes the process of production much more cumbersome. (This issue indeed was raised by Governors Dave Johnson and Bruce Collette at the Board of Governors [BOG] meeting later in the evening, and without resolution.)

The price was discussed. Beachy pointed out that the Society budget continues to grow despite the failure to generate much in page charges. So Beachy raised the suggestion that we could give color figures away for free. AE and Figure Editor Smith pointed out that, no matter the situation is of ASIH budgets, the production of color figures is still expensive. There was a

discussion of free figures and of the fee structure. There was not much resolution of this issue, and Beachy moved the discussion onto the next agenda item.

Taxonomic Reviews: AE Don Buth raised the issue of taxonomic reviews. He reminded the PPC that years ago, we had a review policy. The previous editor scrutinized policies and changed them. Taxonomic reviews (not revisions) were a place for compilation of literature, and chance to discuss the direction of future research. The old policy then was that reviews produced no new information and so they were considered inappropriate for publication in *Copeia*. Buth pointed out that for several years, *Copeia* criticized as an “only data” journal. However, other traditional (non-taxonomic) review articles are considered a good idea for us, especially if they contain a new synthesis.

There was a moderate discussion of the merits of these kinds of taxonomic review articles. With a few reservations, the PPC considered the idea as a good one and that Buth will write a summary of what these taxonomic reviews would contain for the Editorial Notes and News.

Associate Editor Report Cards: Next, and at the urging of AEs Buth and Roberto Reis, Beachy reviewed the annual review report cards that are given in the Editor’s Report to the BOG. By the nature of the tracking and reporting system of AllenTrack, several AE’s have scores that indicate either 100% acceptance of submissions they handle or 100% rejection of the submissions they handle. Beachy explained that this is just because the typical way that these report cards are generated is based on manuscripts that are submitted and have a final decision in the same calendar year, i.e., submitted on or after January 1 and sent to production by or before December 31 of the same year. For better or worse, few manuscripts follow this pattern. This provides a result that can be misleading to the BOG. AE Buth urged some other reporting mechanism.

After moderate and productive discussion, it was agreed that Editor Beachy should report data for a three-year period rather than just year-by-year. This will provide a much better report and it is a relatively easy solution. Beachy was agreeable to this change in procedure and next year’s Editorial Report to the BOG will contain three-year cycle of data.

As this discussion continued, it led to some discussion of the metrics used to assess journals. In the past (or at least in the time of Beachy and Buth), the “% of manuscripts rejected” was a metric of quality, but it is rarely reported any longer and has little use compared to impact factors. Matthews pointed out that he will spend a significant part of his presidential address to discuss how the use of impact factor is often poorly done.

Somehow, the PPC transitioned to discussion of the use of Twitter during talks and poster sessions. Some are not willing to have their talks tweeted, and others encourage it. All agreed that it was not the time to attempt to police such an activity; the PPC was not uniform on it’s opinion of the value of tweeting talks and poster sessions.

The transition to online: There was substantial discussion on the value of the online early process. *Copeia* will begin online early publication of articles begin with the first issue of the 2015 volume (i.e., Volume 103). The only significant concern is the taxonomic one: new taxa need to be published in the same year both in print and online. However, most of the PPC have the position that the appearance of online represents the date of the new taxon. The DOI establishes the date of publication, so online early should not represent a real issue going forward

when it concerns ICZN issues. An additional key point is that new taxa are now to be assigned a ZooBank number. Authors publishing new names will be required to obtain ZooBank numbers for all new taxa. These are reported in the paper.

Beachy raised the question of “When are we going to stop printing the journal?” Smith indicated “Not yet, because we have three-year contract with Allen Press for the print version.” Smith raised the issue of the frequency of persons that talk about changes to *Copeia*, including a name change. (It was noted in the minutes that there was an audible gasp at this idea.)

The younger part of the ASIH membership uses very little of print version. This raised the issue of possible changes to *Copeia*. This seemed a natural segue for the next report to the PPC.

Jackie Webb presented work from the Ad Hoc Committee on *Copeia*: The Ad Hoc Committee was appointed by Matthews at the Albuquerque meeting. It included Webb (Chair), Leo Smith, Butth, Beachy, Caleb McMahan, and Kathleen Cole. Webb presented a summary of the Committee recommendations, which were substantial.

The Committee wanted to address “What can we do now?”, “What has to wait? “, and “What should *Copeia* be?” There was consensus on three issues:

- 1) Increase the impact factor;
- 2) Increase visibility and reputation;
- 3) Improve mechanics and cost.

A quick improvement concerns the reduction in DOIs. DOIs lead to decreased impact factor if a journal has too many DOIs. For example, the recommendation is for (a) to condense all back matter to a single DOI and/or (b) to remove all society business from the journal. Questions were discussed concerning the importance of DOIs; all matter that will appear online must have a DOI. Treating each book review, and any other back matter, e.g., the report of the Business Meeting, as separate DOIs naturally deflates the impact factor. All the book reviews are already treated as a single DOI.

Webb discussed the need for increased visibility and reputation, e.g., improved indexing, an improved *Copeia* Wikipedia (ours is outdated and needs more information), and the *Copeia* facebook. Related to this is a meeting that will occur later in the week for the ASIH webpage committee. Beachy reminded the PPC that Webb would lead the Ad Hoc Committee discussion of recommendations at the meeting Saturday from 4-6. Discussion of the Ad Hoc Committee recommendations clearly could have gone on for hours.

Beachy called for adjournment at 4:45 pm and thanked all for their dedicated service to the ASIH and *Copeia*.

16. ENFC: Endowment and Finance Committee - Michael Retzer

The ENFC met for their annual meeting at the ASIH annual meeting in Chattanooga, TN on July 11, 2014

Present at this meeting were Kathleen Cole, David Cundall, Linda Ford, William Matthews, Frank Pezold, Brad Shaffer, and Fred Zaidan

1. Meeting began with the unanimous approval of last year's minutes.

2. The ASIH Treasurer's report was received and reviewed but the Treasurer was unable to attend for medical reasons. And so he was unable to provide information to the Committee.
3. Current investments and cash equivalents were about \$600,000 and another \$330,000 in other accounts not earning much return. Stock investments doing better.
4. The committee discussed reducing the cash amounts to \$70,000-135,000 for expenses and an additional cash equivalent and invest the rest. Litzgus (LRPC) suggested \$300,000. The Executive Committee and the Treasurer previously suggested \$200,000 (roughly twice the annual operating budget). The committee discussed making policy of what to do with the surplus or make decisions annually. The committee decided to place the surplus with the Wells Fargo account rather than dividing it among smaller accounts. The committee further discussed how the investments are currently invested and how they may know the investments better and thought there was a need for a conference call with the financial advisor.
5. Discussion of the use of the surplus centered on benefiting students via travel, Rainey, and Gage awards. Individual awards were discussed and noted that current awards did not meet the high costs of student meeting participation and research. The committee favored keeping additional funds in general operating funds rather than supplementing each award.
6. Discussion then moved to the actual role of the committee and what it is empowered to do. The committee would like to know more about each of the funds (initial input, principle, and output).
7. The committee would like to see a doubling in students awards in the next year. This will add \$31,000+ to the annual operating budget. Perhaps there should be an increase in the number of awards or amount awarded to each student. This could be given a one or two year trial to be reviewed annually.
8. A motion by Ford: For student funding in 2015, double the amount to be received by each student for Raney, double the amount to be received by each student for Gaige, and double the amount to be received by each student for travel; depending on the availability, also increase the number of student awards by 50%. The motion was seconded by Pezold and unanimously approved by committee.
9. Based on current return (profits) on investments, 50% should be invested in students and 50% should be invested in funds.
10. An additional motion was made by Pezold: Financial statements from Wells Fargo be provided to all members of the committee as available. The motion was seconded by Cole and passed unanimously.
11. The meeting was adjourned.
12. At the beginning of 2014, ASIH had investments valued at \$767,839 and at the end of 2014, \$1,001,398. Note that this significant increase includes a significant move of cash from cash accounts and not the intrinsic increase in the value of the investments. During 2014, \$200,000 was transferred from cash accounts to investments. The intrinsic gain of investments was \$33,559 or 4.3%. This intrinsic gain is above the goal of the Society's return on its investments. Note the domestic stock market had a very good year in 2014 but this performance may not repeat itself in 2015. As of March 31, 2015. The Society had \$1.14 million dollars in investments.

Respectfully Submitted,

Michael Retzer

17. EXEC: Executive Committee - Maureen A. Donnelly

The Executive Committee (EXEC) was led by President H Bradley Shaffer during 2014. We were an active committee under the leadership of President Shaffer and voted on 13 issues during 2014 as follows: we voted to produce the brochure made by Governor Margaret A. Neighbors for inclusion with 2014 meeting materials (13 January 2014); we voted to use general funds to help sagging award funds (3 February 2014); we discussed “student status” for eligibility for travel awards (20 March 2014); we voted on the proposed changes to the constitution (5 April 2014); we voted to increase the funding for student travel in 2014 (28 April 2014); we voted to use endowment/general funds to prop up the fund accounts that need a boost (18 May 2014); we voted to cover the webmaster’s expenses to attend two days of the JMIH meeting in Chattanooga (22 May 2014); we voted to replace Whit Gibbons with Jonathan Campbell on the Henry S. Fitch Committee (13 August 2014); we voted to change the system of numbering our journal volume (14 August 2014); we voted to remove from the record the resolution regarding lack of recycling in the convention center (19 August 2014); we voted to accept a late resolution for Jack Randall (19 August 2014); we voted in favor of signing on to the Amazon Smile program as a fund raising opportunity (20 September 2014); we voted to change our investment strategies according to recommendations by Treasurer Martin (24 September 2014); we voted to increase our contribution to the lunchtime meeting for the Graduate Student Participation Committee (20 December 2014); and we voted to increase the salary of our Production Editor, Kathleen Smith.

The Executive committee also accepted the description of the Nelson Award Committee for the Policy and Procedures Manual and we approved the seconded motion from the Education Committee to make the first Meritorious Award for Teaching Ichthyology (awarded in 2014 to Gene Helfman).

We sadly report the passing of: Thomas Robert Hellier (1 December 2013), Richard H. Rosenblatt, Former President (30 October 2014), William Albert Bussing Burhaus (17 November 2014), Samuel B. McDowell, Jr. (31 December 2014), César Molina (2 January 2015), Jamie Edward Thomerson (4 January 2015), James Dixon (10 January 2015), James A. Organ (16 January 2015), Herbert T. Boschung (5 February 2015), , C. Laevett Smith (10 February 2015), Eugenie Clark (25 February 2015), Phil Cochran (4 March 2015), Basil Nafpaktitis (24 May 2015), and Raymond Semlitsch (10 June 2015). Our condolences to the colleagues, families, and loved ones of those who have passed.

Respectfully Submitted for the Executive Committee,

Maureen A. Donnelly
Secretary

18. GFAC: Gaige Fund Award Committee – Christopher Tracey

The Gaige Award committee (Adam Leache, Karen Lips, Christopher Tracy) reviewed 47 applications for the 2015 Gaige Fund Award. Like most years, there was an impressive array of research proposals, making for a very competitive pool of applications. The committee agreed that awards of \$500 should be made to each of the top 12 applicants.

The 2015 award recipients in alphabetical order:

- **Clare Adams**, Iowa State University. Environmental DNA: Uniting genetics and population dynamics in a reptilian model.
- **Michael A. Carlo**, Clemson University. A spatially explicit analysis of the capacity to modify nesting behavior using the Eastern fence lizard (*Sceloporus undulatus*).
- **E. Anne Chambers**, University of Texas at Austin. Revisiting species boundaries in the American milk snake (*Lampropeltis triangulum* complex): Genetic analysis of contact zones between three purported species.
- **Kristin L. Charles**, University of California, Berkeley. Investigating the role of riverine barriers on phylogeographic structure of *Afrixalus paradorsalis*.
- **Andrew Frank**, University of Connecticut. Testing maintenance of phenotypic diversity in a North American skink (*Plestiodon gilberti*)
- **Tyler D. Hoskins**, Miami University. Single and interactive effects of an endocrine disrupting herbicide, larval competition, and juvenile competition on survival and reproductive potential of an amphibian.
- **Eric J. Gangloff**, Iowa State University. Testing the evolutionary potential of behavioral and cognitive phenotypes in the terrestrial garter snake, *Thamnophis elegans*.
- **Gillian C. Larson**, California State University, Northridge. Climatic adaptation of an invasive gecko: Rapid adaptive evolution or developmental plasticity?
- **Marta P. Lyons**, University of Minnesota. Gene flow and local adaptation at the lower elevation range limit of a montane salamander.
- **John G. Phillips**, University of Tulsa. Comparative genomics of eyes in Spelerpine salamanders.
- **Eric Riddell**, Clemson University. Growing a thick skin: Uncovering acclimation of skin resistance to water loss of salamanders in response to temperature and humidity.
- **Scott L. Travers**, University of Kansas. Adaptive radiation and community assembly of Solomon Island Ceratobatrachid frogs.

Christopher Tracy

Chair, Frederick (Dick) and Helen Gaige Award Fund

19. GSPC: Committee on Graduate Student Participation – Shab Mohammadi

Meeting called to order at 12:00pm by chair Shabnam Mohammadi. 50 members were in attendance for the business meeting.

Welcome Address – Current ASIH president Brad Schaffer addressed Graduate Students and discussed the desire of the Society to provide child care to the membership during the meeting, the possibility of conservation workshops, and encouraged graduate students to brainstorm and be forward thinking.

Old Business

- Chair Shab Mohammadi discussed future meetings. The 2015 meeting will be held in Reno, Nevada. Each room rented through JMIH will come with three \$10 meal vouchers, and the rooms will be as low as \$75. This announcement was met with enthusiasm from most students. The centennial meeting in 2016 will be held in New Orleans. Students discussed and voted unanimously on participating in a “second line” parade at the meeting.
- Chair Shab Mohammadi reminded students that ASIH is an Open Event, meaning people are free to tweet, photograph, and discuss the research presented.
- A discussion on Speed Networking was held, in which students expressed the following:
 - Pros:
 - Happiness with the opportunity
 - Satisfaction with the format of the program
 - Desire to continue the program
 - Cons:
 - Need to increase the variety in the faculty participants (i.e., have a range from small, medium, and large-sized universities, as well as government and other employees).
 - Better promotion of the event (i.e., information was not available on the meeting site and notice of the program came too close to meeting start).
 - The need for more available spaces.
 - Provide a list in advance so students can prepare.
- The graduate membership expressed a desire for a mentorship program similar to that of SSAR.
- Past chair, Malorie Hayes brought forth the suggestion from the ad hoc Committee on Membership to have membership automatically renew. Students were strongly against this decision, and said if it occurs, it should be opt-in.
- A discussion was started regarding graduate students getting more for their money. One major point was the cost of the closing banquet/picnic, where tickets cost an extra \$35. A suggestion was made to roll the cost of the picnic into the cost of registration. A motion was put forth to roll the cost of the picnic/banquet

into the cost of registration because graduate students are less likely to purchase add-ons. The motion was declined by a vote of 8 for and 27 against.

- Chair Shab Mohammadi discussed actions that might help increase graduate student participation in ASIH. Graduate student members expressed that participation would increase if meals were provided for activities such as the Graduate Student Business Meeting and the Panel Workshop.
- Other activities discussed included:
 - The possibility of starting a trivia activity.
 - The possibility of hosting an opening social activity for graduate students at a beer garden.
 - Starting workshops for professional development that involve learning laboratory/field/analysis skills.
- Past chair Malorie Hayes announced that the 2015 book raffle proceeds totaled \$3774.04.
- The ASIH Graduate Student Workshop on social media had 35 attendees that interacted with panelists: Prosanta Chakrabarty, Mo Donnelly, Karen Lips, and David Shiffman.

New Business

- Election of new officers for upcoming year:

Chair: Abbigail Nicholson abbigail.e.nicholson@gmail.com

Chair-elect: Bill Ludt: wbludt@gmail.com

Secretary: Savannah Michaelson savannah.michaelson@selu.edu 601-421-1041

Workshop Committee:

Helen Plylar (chair): Helen.plylar@selu.edu 225-245-0556

Kim Foster Kimberly.foster@selu.edu - 225-328-0927

Julia Schmidt-Petersen julia.schmidtpetersen@gmail.com

Book Raffle Committee:

Cheryl Thelie (chair): theileca@hotmail.com 513-652-8867

Erica Rottmann: Erica.rottman@selu.edu

Kim Foster Kimberly.foster@selu.edu - 225-328-0927

Travel Award Coordinator: Drew Davis: drew.davis@coyotes.usd.edu

Web Content Committee Rep: Shab Mohammadi shab.mohammadi@gmail.com

Long Range Planning Committee Ichthyology Rep: Malorie Hayes malorie.hayes@gmail.com

Long Range Planning Committee Herpetology Rep: Shab Mohammadi
shab.mohammadi@gmail.com

Conservation Committee Rep:

Luke Bower lbower88@tamu.edu

Bryan Frenette bryan.d.frenette-1@ou.edu 580-919-9283

Conservation Committee Facebook Coordinators:

David Delaney dmdelane@uab.edu

Thornton Larson trlarson@miners.utep.edu 847-899-5062

Natalia Bayona njbayonav@gmail.com

James Cureton james.c.cureton.ii@gmail.com 903-720-9243

Corey Cates cdcates@uab.edu

Meeting adjourned 1:15pm

TRAVEL AWARD WINNERS – Drew Davis

The winners of the 2014 Clark Hubbs Travel awards are:

Name	Email	Category	Award
Jacob Owen	jacob.owen@go.tarleton.edu	Herpetology	\$300
Rebecca Tarvin	rdtarvin@utexas.edu	Herpetology	\$300
Megan Winzeler	mewinzeler@srel.uga.edu	Herpetology	\$300
Brian Tornabene	brian.tornabene@gmail.com	Herpetology	\$300
Enrique Santoyo-Brito	enrique.s.brito@okstate.edu	Herpetology	\$300
Erin Kenison	erin.kenison@gmail.com	Herpetology	\$300
Olivera Joksimovic	o.joksimovic@mail.utoronto.ca	Herpetology	\$500
Kortney Jaworski	kjaworski15@jcu.edu	Herpetology	\$300
Thornton Larson	trlarson@miners.utep.edu	Herpetology	\$300
Daniel Crear	dcrear8@gmail.com	Herpetology	\$300
Brittany Furtado	brittanymfurtado@gmail.com	Ichthyology	\$300
Kirill Vinnikov	vinni@hawaii.edu	Ichthyology	\$500
Julia Schmidt-Peterson	julia.schmidtpetersen@gmail.com	Ichthyology	\$500
Luke Bower	lbower88@tamu.edu	Ichthyology	\$300
Milton Tan	miltontan@auburn.edu	Ichthyology	\$300
Ben Frable	ben.frable@oregonstate.edu	Ichthyology	\$300
Kyle Newton	knewton5@fau.edu	Ichthyology	\$300
Bryan Keller	bakeller@email.arizona.edu	Ichthyology	\$300
Caroline Arantes	caroline.arantes@neo.tamu.edu	Ichthyology	\$300
Connor Capizzano	ccapizzano@une.edu	Ichthyology	\$300
Shab Mohammadi	shab.mohammadi@gmail.com	Grad Chair	\$300
		Total	
		Awarded	\$6,900

20. HSFC: Henry S. Award Committee – Karen R. Lips

Committee: Karen Lips, Richard Seigel, Jonathan Campbell

Established in 1998, the Henry S. Fitch Award for Excellence in Herpetology is awarded annually in recognition of “an individual for long term excellence in the study of amphibian and/or reptile biology, based principally on the quality of the awardee’s research; consideration is also given to educational and service impacts of the individual’s career.”

The award is named in honor of Henry S. Fitch, in recognition of his exceptionally long, productive, and ongoing career. The Fitch Award Committee for 2015 consisted of Karen Lips (chair), Rich Seigel and Jonathan Campbell. Four individuals were nominated this year for the 2015 award and 2 nominees were carried over from previous years.

Once nominated, an individual can be considered for the award for three years. The credentials and nomination letters for six nominees were examined and discussed openly by the Committee. All nominated individuals are outstanding leaders in the discipline of Herpetology and all are worthy of receiving the Fitch Award. Each nominee has had a productive career and remains active in research.

Nonetheless, after discussion and a straw vote, the committee settled on one of the nominees to whom the award will be presented at the plenary session on Day 1 of the Joint Meeting of Ichthyologists and Herpetologists Meeting in 2015.

Respectfully submitted,

Karen Lips

21. JSNC: Joseph S. Nelson Award Committee – Cristina Cox Fernandes

The committee for 2015 was comprised of Cristina Cox Fernandes (Chair), Lynne Parenti and Larry Page. The committee received only one name of an ASIH member for this award from one nominator by the deadline, 1 April 2015. Four nominees remained from the previous year (2014), one not eligible (not a member of ASIH). A total of four nominees were considered eligible for 2015’s award.

The committee concluded deliberations on 13 May 2015 on Skype and the announcement of this year’s winner will be during the plenary session of the 2015 ASIH meetings in Reno, Nevada.

The crystal award will be ordered on FineAwards.com by Larry Page given that Cristina Cox Fernandes will be out of the country for about a month.

Submitted for the committee,
Cristina Cox Fernandes

22. LRPP: Long-Range Planning and Policy Committee - Jacqueline Litzgus

Saturday August 2, 2014; 5:00 pm – 6:30 pm, Room 16
JMIH 2014, Chattanooga, TN, USA

Members present: Jackie Litzgus (last year as Chair), Margaret Neighbors, Carol Johnston, Fred Zaidan (in-coming Chair), Steve Ross, Shab Mohammadi (student rep, herps; Shab.mohammadi@gmail.com)

Member regrets: Doug Martin (Treasurer), Caleb McMahan (student rep, ichs)

1. Introductions of LRPP committee members
2. Approval of minutes of 2013 LRPP meeting
3. Litzgus provided a brief report on the EXEC Meeting that took place July 30
4. Litzgus gave a brief Treasurer's report on behalf of Martin
5. ENFC 2014 meeting report (Cundall and Zaidan)
 - a. 2x operating expenses needed as cash, invest the rest of money.
 - b. Agree in principle to support investing in students, but we need to know the actual numbers.
 - c. Suggested to double amount of the Rainey and Gaige awards, double amount to each student for travel awards, and if sufficient money, also increase number of awards by 50%.
 - d. Margaret suggested it might be better to increase money to students and let them decide how to use it for the travel awards (which are decided by lottery); students need to work with Treasurer.
 - e. Any money left over after investing in students will be reinvested.
 - f. LRPP's recommendation is that the students talk to the Treasurer about extra amount to be used for travel awards; let the students decide how they want to give the travel awards. LRPP provided some advice on how to allocate the travel awards that Shab will take back to the student committee. Perhaps rather than matching the funds raised in book raffle, we double the match.
6. Old business
 - a. Merging ENFN and LRPP committees, co-chaired to maintain 2 positions on EXEC. If there is a reduction of members on EXEC because these committee merge, then past president term increases by a year.
 - b. Committee composition, terms, and succession plan. Zaidan takes over as Chair of LRPP in January 2015. Litzgus wishes to remain a member of LRPP.
 - c. ASIH brochure. We got it done! It was included in the registration bag in 2014. We will do it again next year. Comments: Increase font size, add new pictures, ask Mark Perez-Sabaja from Academy of Natural Sciences to provide advice on sprucing it up. Johnston will talk to him.
 - d. Meeting costs for students. Suggested to increase number of student research awards (Gaige and Raney awards). McMahan was to ask students how many of them come to the meeting without support from their supervisor or university. Malory has gathered these data. In general, everyone had some support, the majority (80%) had to pay some from their own pocket. Shab will send Litzgus

the numbers. How many came because they DIDN'T have support? How could we get these numbers? Zaidan reported that he could not bring 3 students because of lack of funding. We should canvass members to see how many don't come because their dept. doesn't have travel funds for faculty. Litzgus will ask Beaupre to ask web content cmt to send out an email doodle poll to answer this question.

- e. Vendors. AFS group said they don't have to encourage vendors, they just get them. AFS attracts tons of vendors; fish people may have more funding and can thus buy more from vendors. How do we attract more vendors? K-State does contact potential vendors to come to JMIH. We should have vendors that sell field equipment. We used to have vendors that sold t-shirts, jewellery. A previous vendor who does come anymore said it is because we charge too much for our booths. We need to find out how much we charge and see if we can reduce it. Get a list of vendors that attend other societies and solicit them. Recommend to joint meeting management committee (JMMC) to increase diversity of vendors. There needs to be better communication between the local committee and JMMC. Last year the local cmt gathered donations itself.
7. New business/Matters arising
- a. Student mentorship program in which students who have been to the meetings get paired with a first-time attendee to help them navigate the meetings. Shab felt that the random pairing done at the WCH did not work well; it needs to be done so that people are paired by interest. Student committee will work on this.
 - b. Child care at meetings. Ross investigated this last year and found a reputable bonded company whose info was submitted and vetted by K-state. The JMMC voted the idea down because of concerns over liability issues. We may be discouraging attendance of young professionals who would like to bring their families. Johnston said that parents would not mind paying; they want child care available. Recommend to EXEC to encourage JMMC to find childcare providers at meetings.

8. Meeting adjourned.

Minutes submitted by Jackie Litzgus, LRPP Chair

Respectfully Submitted
Jackie Litzgus (LRPP Chair)

23. MMPC: Meetings Management and Planning Committee – Henry R. Mushinsky

The contract with Kansas State University (K State) to manage and oversee the annual JMIH meeting was about to expire and the cost per hour charged by K State was projected to increase substantially, prompting a charge to the JMIH Committee to seek competitive bids for the management of future JMIH meetings. As Chair of the ASIH MMPC, I worked closely with Ed Heist, Chair of the JMIH MMPC to solicit bids from professional meeting management organizations. We constructed a detailed Request For Proposals and sent it out. The companies were given up to eight weeks to respond before we closed the bidding. We received bids from

seven companies including “ A Meeting Company,” “Celebrations,” “Enterprise Events,” JPDL International,” “K. State,” “M & I Worldwide,” and “MHW Management.” These bids were sent to each member of the JMIH MMPC (Marlis Douglas (ASIH), Kyle Piller (ASIH), David Green (HL) and Robert Aldridge (SSAR). In spite of our efforts to standardize the responses made by each company, the formats used by them made some direct comparisons difficult, but based on various criteria it was very clear that the bid from K State University, which indicated a cap on the total costs for managing the meeting (upper limit), was by far our best offer. We unanimously supported the continuation of the contract with K. State to serve as our meeting managers.

More recently, the ASIH MMPC met in Reno Nevada on April 8-12, 2015 along with representatives of two of the three other JMIH participating societies (SSAR is organizing a separate meeting in 2015). Collectively this group comprises the JMIH Meetings Management and Planning Committee. The ASIH Committee was consisted of Henry Mushinsky (Chair), Marlis Douglas and Kyle Piller. Also present at the April meeting were Edward Heist (chair of the JMIH MMPC and representing the AES), David Green (HL Representative), Marty Crump, (JMIH Program Director) and Heide Burke from the Kansas State University Continuing Education Program.

The main goal for the meeting is to develop the scientific program for the JMIH Meeting in July 2015 and that mission was accomplished successfully. Papers and posters submitted for the student competitions are scheduled first to facilitate timely evaluation by the judges.

The ASIH MMPC also reviews and selects proposed symposia for the next JMIH meeting. This year four symposia were proposed for the 2016 meeting, including one that to be co-sponsored by the Herpetologists’ League. The Committee approved ASIH financial support for three symposia in 2016 (\$1,500 for symposium 1 and 3 listed below; symposium 2 will receive funds from the ASIH Centennial Committee).

The three funded symposia are:

1. "Eco-Evolutionary Dynamics Across Taxa: Fishes, Amphibians and Reptiles" David Green and Andrew Hendry, Organizers.
2. “ASIH at 100: Setting the Stage for the Next Hundred Years.” Eric Hilton, organizer.
3. “Lessons From, and Visions For, Long-term Studies of Freshwater Fish Communities” Edie Marsh and Keith Gido, Organizers.

A fourth symposium, “Color Patterns in Fish, Amphibians, and Reptiles,” organized by Peter Uetz and John Steffan was not supported for funding. We viewed this proposal as insufficiently developed to warrant support for 2016.

Note, JMIH societies are limited to sponsoring two symposia, but because the 2016 meeting marks the 100th Anniversary of the ASIH, the three sister societies strongly backed the ASIH sponsoring three symposia.

While in Reno we also met with representatives of the local committee and facility staff to clarify logistics and coordinate details about field trips, social events and other JMIH activities. We summarized this information about the meeting venue and the city to help our membership prepare for the July meeting. This narrative was posted on the ASIH website to inform the membership about what to expect in Reno and anticipate an interesting meeting.

Meeting Sites: Thanks to Heide Burke and the K. State crew, we have conference venues scheduled through 2017, including:

2016 – The Marriot Hotel in New Orleans, Louisiana

2017 – Austin, Texas

A complete guide to submitting symposia to the ASIH MMPC has been revised and is now posted on the ASIH website.

An item that requires ASIH Executive Committee action is the extension of the MOU among the four JMIH Societies. The MMPC suggests the extension be signed for ten years.

Respectfully submitted for the Committee
H.R. Mushinsky

24. NOMC: Nominating Committee – Theodore W. Pietsch

The Nominating Committee for 2014-2015 was chaired by Ted Pietsch and assisted by Tiffany Doan, James Van Dyke, and Leo Smith. The information on all candidates is provided in Appendix C.

Respectfully submitted on behalf of the Committee,

T. W. Pietsch, Chairperson

25. RFAC: Raney Fund Award Committee – Raelynn Deaton

Committee Members: Kevin Conway and Paulette Reneau

For the 2015 Raney Research Grants through ASIH, the committee received 33 submissions on or before March 1, 2015. One submission was incomplete, and one was not appropriate for Raney (focus was on amphibians); therefore those grants were dismissed from the competition. Of the 31 complete submissions, 16 were PhD students, 10 were Master's students, and 5 were undergraduate students. These 31 submissions represented 20 different universities. This round of grant submissions was impressively high quality.

Of the 31 completed submissions, three were not compliant with grant guidelines, and after discussion by the committee, ultimately dismissed from the competition. Violations included exceeding the two-page limit via budget and including appendices/tables on separate pages (which also caused the grants to exceed the page limit). The committee discussed whether or not the guidelines were clearly outlined on the website and if they needed revised, but decided

that the website guidelines are clear and the students should have followed the guidelines more carefully. The committee felt it appropriate for the committee Chair to let the three students know that their grants were dismissed, and why, so that they would be more careful for future grant submissions.

The committee recommended six grants for funding: two PhD, two Master's and two undergraduate. Ranks were as follows: rank 1 undergraduate, ranks 2 and 3 (tie) PhD, rank 4 Master's, rank 5 undergraduate, and rank 6 Master's. With \$5000 for allotment, funding recommendations were as follows: \$1000 for first place, \$900 for second, third and fourth place, and \$700 for fifth and sixth place. Score for first place was clearly higher than the other top grants (9.75), second-fourth place scores were nearly identical (9.47, 9.47, 9.43 respectively) and scores for fifth and sixth place were also nearly identical (9.27, 9.26 respectively). These six grants clearly clustered out from the remaining grants, and thus, the committee felt that all were deserving of funding, although not all equally.

2015 Award winners are as follows:

Pamela Cisneros, St. Edward's University, \$1000
Friend, Foe, or Frenemy: Testing the Dear Enemy Hypothesis in a Sex Role Reversed Pipefish, *Syngnathus scovelli*

Jennifer Gresham, University of Alabama, \$900
Fitness Consequences Of Self-Fertilization Versus Outcrossing In Mangrove *Rivulus* Fish

Amber Makowicz, University of Oklahoma, \$900
Clonal Recognition in a Unisexual Fish via MHC Genes

Michael Chase Gilbert, Western Kentucky University, \$900
Impacts of Habitat Fragmentation and Population Isolation on the Trophic Morphology of a Threatened Desert Fish Species

Haley Christians, St. Edward's University, \$700
Uniqueness Motivating Intrigue: Testing the Novelty Hypothesis as a Mechanism of Heterospecific Mating in Livebearing Fishes

Kristin Walovich, Moss Landing Marine Laboratories, \$700
Taxonomic Resolution of Southern African Shortnose Chimaeras, *Hydrolagus* Gill: Conservation and Management Implications of an Enigmatic Fish Group

Recommendations were sent by the Chair to Secretary Donnelly for approval, who checked for current membership. Several of the proposed recipients had not updated their memberships, and were notified by the Chair to do so immediately, as they were being considered for funding. Once all recipients were current with membership, the Chair notified them of their award and the amount, and asked Secretary Donnelly to post the winners on the ASIH website. The Chair gathered addresses from recipients and sent those to Treasurer Martin, who issued checks to the students. The Chair encouraged all recipients to attend the 2015 meeting in Reno, Nevada.

Sincerely,

Raelynn Deaton Haynes, PhD
Committee Chair, 2015

26. RHGC: Robert H. Gibbs, Jr. Memorial Award Committee – Brian Sidlauskas

In April of 2015, the Robert H. Gibbs, Jr. Memorial Award Committee, consisting of Brian Sidlauskas (Chair), G. David Johnson and Carole Baldwin evaluated the credentials of four nominees for the 2015 award for excellence in systematic ichthyology. The four nominees include new and renewed nominations for the award. The recipient of the 2015 award will be announced in July at the plenary session of the annual ASIH meeting in Reno, NV. A full-page announcement detailing the winner's accomplishments, along with a photograph, will be published in *Copeia* 2016(1). As with previous awardees, this year's recipient will be encouraged to submit a paper on systematic ichthyology for review and consideration for publication as the lead paper in the second year following the award. For 2016, Brian Sidlauskas departs the committee after three years of service. G. David Johnson assumes duties as committee chair, assisted by Carole Baldwin and a third member to be elected at the Reno meeting.

27. RKJC: Robert K. Johnson Award Committee – Robert E. Espinoza

The Robert K. Johnson Award honors the memory of former ASIH Secretary and *Copeia* Editor Bob Johnson, whose long service and lasting contributions to the Society included production of the first guide to ASIH policies and procedures. The Johnson Award recognizes individuals who have made major contributions to the Society through their service to the organization, and it is awarded to either an ichthyologist or a herpetologist in alternate years. This year's award will be made to a herpetologist. The 2015 Johnson Award Committee consists of Steven J. Beaupré, Kathleen S. Cole, and Robert E. Espinoza (Chair). The committee evaluated the nominations of several distinguished and highly qualified ASIH members, each with extensive records of service. Despite the high quality of the nominees, the committee was able to reach a decision, which will be announced at the Plenary Session of the JMIH in Reno, NV. The results will also be featured in an upcoming issue of *Copeia*.

Robert Espinoza will rotate off the committee at the end of this year, and a new ichthyology member will be elected at the JMIH in 2015 to join the committee, which will be chaired by Kathleen Cole.

28. AES: Representative to the American Elasmobranch Society - Edward J. Heist

The American Elasmobranch Society held its 30th annual meeting in Chattanooga as part of the Joint Meeting of Ichthyologists and Herpetologists. AES had 86 oral presentations and 22 poster presentations.

Prior to the meeting, a two-day workshop titled “Techniques and Applications in Elasmobranch Population Genetics: A Workshop to Further the Field” was held on the campus of the University of Tennessee at Chattanooga. The workshop was organized by AES student Dovi Kacev and was funded by the “Save Our Seas Foundation.” Approximately 20 students attended and presentations were made by included presentations by mentors including Toby Daly-Engel, David Portnoy, Ed Heist, Kevin Feldheim, Demian Chapman, Debra Abercrombie, Shannon Corrigan, and Luiz Rocha.

Results of the society’s election were announced at the business meeting. Our executive committee remains the same with President Chris Lowe, Secretary Jennifer Wyffels, Treasurer Cathy Walsh, Editor David Shiffman, and Past-president Lara Ferry. Carl Luer and Lisa Whitenack were elected to the Board of Directors. Our new Nominating Committee is Jeremy Vaudo, Chair, Dovi Kacev, Lindsay Harris, Andy Nosal, and Kady Lyons.

Approximately 120 people attended the AES banquet on Sunday night where plaques and checks were provided to award winners. The Samuel H. Gruber best student paper award was won by Christopher Mull for a paper entitled “Placentation and the Evolution of Brain Size and Structure in Sharks, Skates, and Rays.” The Jeffrey and Carol Carrier award for the best student poster went to Callie Crawford for a poster titled “CT Scanning Chondrichthyans: No Bones About It.”

AES provided three student research awards: the AES Student Research Award went to Kelsey James, the Donald R. Nelson Behavior Research Award went to James Anderson, and the Henry and Anne Mollet Elasmobranch Research Award went to Kyle Newton. With additional support from the Save Our Seas Foundation, AES provided student travel awards to Robert Bullock, Jeremy Higgs, Arianne Leary, Callie Crawford, and Kelly Van Hees. The silent and live auctions raised \$6102 for future student travel.

29. AFSR: Representatives to the American Fisheries Society – Michael E. Douglas and Marlis R. Douglas

The American Fisheries Society (AFS) held its 143rd Annual Meeting in **Quebec City**, Canada, on 17-22 August 2014. The meeting theme was: ‘From Fisheries Research to Management: Thinking and Acting Locally and Globally,’ and it included almost 1,700 attendees from 35 nations, and consisted of 40 symposia and 32 contributed paper sessions with 1,445 oral papers and 221 posters. The 2015 Meeting will be held in Portland, Oregon (16-20 August), and is also expected to be large (the 2011 meeting in Seattle was largest AFS conference ever over 4,300 attendees).

The AFS-ASIH liaisons (MED and MRD) were tasked by AFS President Robert Hughes to (1) organize a joint AFS-ASIH symposium during the 2014 annual AFS meeting; (2) identify strategies to recruit/retain younger members; and (3) ask the ASIH-AFS *Names of Fishes Committee* about transparency with regard to the process of name changes.

With regards to (1): A symposium (‘*Big Data Science and Its Impacts of Fish Conservation and Management*’) was co-organized by M.E. Douglas and M.R. Douglas at the 2014 meeting (summarized in *Fisheries* 39(12):591). Three focal areas were included: genomics, geographic information systems (GIS), and remote sensing. All share a potential to generate massive amounts of data, with challenges being their management and analyses. A panel discussion then identified as key elements the standardization, centralized archiving, and eventual access of data by stakeholders. The panel reiterated that interdisciplinary

communication and diverse coalitions are essential for optimizing big data. A follow-up symposium (Big Data 2) is being organized for the 2015 AFS meeting.

(2) Similar to other societies, AFS experienced declining membership during the late 1990's and its membership numbers now vary with the size of the Annual Meeting. No single membership category changed dramatically, but there are slightly larger but fluctuating numbers in the 'Young Professional' and 'Student Member' categories. To counter this, AFS targeted lapsed members in a drive that resulted in numerous membership renewals.

(3) **Larry Page, Chair of the Joint ASIH-AFS Committee on Names of Fishes**, related that the composite membership of the committee should allow for sufficient clarity and transparency with regard to the decisions reached on naming of fishes.

Other AFS societal activities and initiatives of potential interest to ASIH: A strong push by AFS to increase its global presence has resulted in a variety of new activities (<http://fisheries.org/2013-annual-report>), including Memoranda of Understanding (MOU) with various conservation and natural resource agencies, centers, policy councils (e.g., USGS Southeast Ecological Science Center; Chesapeake Conservancy; Theodore Roosevelt Conservation Partnership; National Fish Habitat Partnership, etc.). Additional agreements are being developed for a closer association with other scientific organizations (e.g., Brazilian Society of Ichthyology). AFS also agreed to maintain a website of imperiled North American aquatic fauna.

AFS also approved a new Society Strategic Plan that included six major goals (i.e., science, education, communication, networking, advocacy, governance) and 15 strategies for attaining them (<http://fisheries.org/afs-strategic-plan-for-2015-2019>). In 2014, the AFS presidency transitioned from Robert Hughes to Donna Parish. Doug Austin was hired in 2013 as the new AFS Executive Director, replacing Gus Rassam.

30. AUDC: Audit Committee – Michael E. Douglas

The 2014 Audit Committee: chaired by Michael E. Douglas, with Steven J. Beaupre and William J. Matthews as members.

We have examined the 2014 budget reports provided by Treasurer Martin to the ASIH Audit Committee and Executive Committee, and find the year's income and expenses are appropriate for ASIH. The attached 2014 cash-based budget report is the primary source of our evaluation. We have also received and reviewed the monthly checks and charges reports sent to Secretary Maureen Donnelly for approval of expenses paid.

31. AIBS: Representative to the AIBS and BioOne - Alan H. Savitzky

BioOne is a nonprofit consortium that provides electronic publishing services for many independent society and institutional publishers, providing royalties based upon online journal usage, as well as profit-sharing (i.e., distributing net profits at the end of the fiscal year). BioOne holds an annual Publishers and Partners Meeting in Washington, DC. Carole Baldwin is the ASIH Representative to BioOne, but this year she was not informed of that meeting. However, I had the opportunity to attend (as a member of the BioOne Board of Directors), and I provide the 2015 report.

BioOne continues to provide an outstanding level of service and income for its member publishers. As of this year, BioOne has published 1.1 million pages and has returned \$32 million

to its member publishers. The funds are returned in the form of both royalties and profit-sharing, and are based on an algorithm that reflects relative use of the journal within the collection. BioOne has merged its two collections (formerly known as BioOne.1 and BioOne.2) into a single collection for the purpose of sales (now known as BioOne Complete), and future sales will be only for the full collection. However, the two collections remain internally distinct, to protect the financial returns to the individual publishers.

Three presentations at this year's Publishers & Partners Meeting may be of particular interest to our society members. First, an update was provided on BioOne's new journal *Elementa: Science of the Anthropocene*. The open-access journal continues to seek new manuscripts, and society members are encouraged to visit their website (<https://www.elementascience.org/>) to consider whether *Elementa* would be an appropriate outlet for their publications on human impacts on fauna or habitats.

Second, Amy Brand of Digital Science (formerly with CrossRef) gave a presentation entitled "Beyond Authorship: An Introduction to the Credit Taxonomy." The presentation dealt with the increasing complexities of authorship and credit for scientific publications, including the issues of "coercion authorship" and "honorary authorship." She noted that a Committee on Publication Ethics (COPE) has been established in the UK, and other organizations are considering the implications of modern trends in authorship and credit.

Finally, Kathleen Erickson discussed the new joint editorial office for the American Ornithological Union and the Cooper Ornithological Society. Having failed to fully merge the several ornithological societies headquartered in North America, the AOU and COS did succeed in merging their editorial offices. Kathleen, who serves as Managing Editor for both societies' journals, discussed their joint publication office in detail. The goals, among other things, were to effect savings in publication costs and also to protect print publication for as long as possible. The two societies maintain separate Editors-in-Chief and Associate Editors, but they share a Managing Editor and her office, with both societies contributing equally to the costs of that office. Great care went into establishing the joint editorial office, which is overseen by a Joint Advisory Committee (for editorial policy) and a Joint Management Committee (for financial oversight). Many benefits have emerged from this relationship, including the online publication of a joint newsletter which is read by >10,000 people. This may be an appropriate model for collaboration among several of the herpetological and ichthyological societies.

These and other presentations from the 2015 Publishers & Partners Meeting can be viewed at <http://www.bioone.org/page/about/presentations>.

The **American Institute of Biological Sciences (AIBS)** is an umbrella organization of over 150 member societies and organizations (MSOs), many of which focus on organismal biology or ecology, as well as individual members. This year AIBS has been re-examining its structure and reconsidering its core mission. AIBS lost two key members of its staff this year. Richard O'Grady, Executive Director of AIBS, departed to pursue other opportunities, and Susan Musante, manager of educational programs, left to join the Howard Hughes Medical Institute. Since those departures, AIBS has been working to clarify and focus on its core mission. Key to that mission will be a continuing commitment to the AIBS Public Policy Office, which provides direction communication between our societies and legislators and other lawmakers.

The AIBS continues to provide direct access to legislators on behalf of its professional society constituents. Society members are encouraged to consider signing up with the AIBS Legislative Action Center (LAC; <http://policy.aibs.org/>), which provides immediate alerts

regarding relevant legislation and simplifies contacting individual legislators to express an opinion on those issues, many of which are related to conservation or the federal funding of science. This year the Public Policy Office was heavily involved in efforts to ensure re-authorization of the America COMPETES Act, which included funding for NSF.

Respectfully Submitted,

Alan H. Savitzky

32. CONS: Conservation Committee – Frank H. McCormick

During the annual meeting in Chattanooga, CONS discussed developing conservation-related content for the ASIH Website and Facebook page. The CONS Chair, ASIH President Brad Shaffer and member Gene Helfman met with the graduate student associate to enlist additional members in the committee.

CONS worked with the committees of the joint societies to support a joint letter to the United States Fish and Wildlife Service requesting emergency measures to prevent the import of live animal imports infected with a new species of chytrid (*Batrachochytrium salamandrivorans*) that is highly virulent to numerous salamander taxa but which is not yet present in the US. The request included bans of imports infected with other diseases like ranavirus).

The Committee Chair provided comments on the pre-publication draft of the Bull Trout Recovery Plan.

Respectfully submitted,

Frank H. McCormick
Chair

33. EHRC: Education and Human Resource Committee – Michael Pauers

MEMBERSHIP AND CHANGES TO MEMBERSHIP:

Current Members:

Michael J. Pauers - Chair
Prosanta Chakrabarty
Carol Johnston
Steve Kimble
Elizabeth Marchio

Changes to Membership:

None.

ACTIVITIES 2013-2014:

Activities Completed/In Progress:

June/July 2014: **Pauers** coordinated the selection of the first annual awardee of the Meritorious Teaching Award in Ichthyology. The selection Committee consisted of **Chakrabarty, Johnston, Ed Heist, and Lara Ferry**. The Committee voted overwhelmingly to award this honor to **Gene S. Helfman**.

January/February 2015: **Pauers** was contacted by **President Allen** to coordinate with the AES regarding a new program for this year's (and, likely, future) JMIH. The program would connect high school students from the host city with members willing to guide a student/chaperon pair through a day at the meetings, and to talk about careers in the sciences. The EHRC discussed the program and voted unanimously to support. Discussions and coordination continue, but the ASIH has a date (the Friday of the meeting) and two volunteers (**Chakrabarty** and **Mallorie Hayes**) so far.

February 2015: The EHRC began preliminary discussions regarding the voluntary disclosure by members of demographic (sex, race) information. The feeling was that this would be beneficial to the society for the tracking of trends in the diversity of membership.

March/April 2015: Solicitations began for this year's MTAIch. This year's selection committee is the same as last year's (**Chakrabarty, Johnston, Ed Heist, and Lara Ferry**), with the addition of **Chris Lowe**. As of this writing (08 June 2015), eight nominations for some absolutely outstanding candidates have been received.

May 2015: A request from a member of the public to identify fishes photographed during a diving trip was received. **Pauers** referred the individual to **Randy Mooi**, of the Manitoba Museum.

Items Needing Attention; to (hopefully) be addressed in 2015-2016:

Resume a discussion of the possibility, usefulness and development of an app (or other centralized, online resource) that would aid locating mentors for in STEM fields [from **Richard Paul**; response by **George Middendorf**]

Begin consideration of an EHRC webpage (on the ASIH site) that 1) outlines committee functions and 2) provides links to other basic info (like the career guides)

Continue to identify new committee members – an absolute priority if the committee is to continue. We respectfully request nominations from the BOG, especially for herpetologists!

34. HACC: Herpetological Animal Care and Use Committee – Christopher L. Parkinson

Over the last year we have received several email requests for clarifications regarding the use of reptiles and amphibians in research and IACUC compliance in field studies. To help facilitate the understanding of reptiles and amphibians use in research, I participated in a special session on wildlife research and IACUC compliance at the 2014 National American Association for Laboratory Animal Science meeting in San Antonio TX. I spoke on the "Care and Use of Nonvenomous and Venomous Reptiles in Science". This session was attended by over 200

individuals, and several asked questions directly related to captive use of lizards and snakes by researchers and methods of field euthanasia.

The committee plans to hopefully update our HACC guidelines this year, if anyone wants to volunteer to help we would greatly appreciate their services.

Respectively submitted,

Christopher L. Parkinson

35. HSOC: Representative to the Herpetological Societies (SSAR and the HL) – Alan H. Savitzky

Joint activities among the three societies continue to revolve around JMIH activities. This year the SSAR is meeting independently at the University of Kansas, but that situation is not expected to repeat itself in the near future. There is also a joint Conservation Committee, although SSAR some maintains independent conservation programs.

Although a few general biological societies (e.g., SICB, SSE) continue to grow and evolve, many taxon-based organizations continue to lose members. That follows a broader trend among professional organizations, with memberships generally falling or, in some cases, individuals shifting to more specialized organizations with which they more closely identify. Nonetheless, the JMIH societies have remained refractory to closer administrative relationships.

Several years ago a number of ornithological societies attempted to merge, but failed to convince a sufficient number of members. However, the American Ornithological Union and the Cooper Ornithological Society did, as a result of those discussions, establish a joint editorial office (<http://americanornithology.org/>), with the goal of improving efficiency, saving money, and prolonging the publication of their print journals. Additional information on that joint venture is included in the report of the ASIH Representative to BioOne and AIBS.

36. IACC: Ichthyological Animal Care and Use Committee – Edie Marsh-Matthews

Members of the Ichthyological Animal Care and Use Committee (IACC) are Edie Marsh-Matthews (Chair), Michael Heithaus and Nate Franssen. The charge of the IACC, (as outlined by Past President Steve Beaupre) includes: 1) maintenance and update to the guidelines, 2) service to JMIH members in navigating protocol submission and approval, and 3) service to government and regulatory agencies (e.g. local IACUCs) that may need taxon-specific assistance in the evaluation and approval of protocols.

In the past year, the IACC Chair followed up on the status of the “Guidelines for Use of Fishes in Research” (2013) which is now posted on the ASIH website. The IACC had no other items of business in 2014.

37. IHCC: Ichthyological and Herpetological Collections Committee – Mark Sabaj Pérez

The 2014 Collections Committee Meeting was held from 3–5pm on 1 August 2014 in Meeting Room 18 of the Chattanooga Convention Center, site of the 2014 Joint Meeting of Ichthyologists and Herpetologists hosted by the Tennessee Aquarium Conservation Institute, Anna George local Chair. The committee meeting commenced with introductions, followed by a lengthy discussion on the creation of a service award for excellence in the stewardship of natural history collections of fishes and herps.

It was noted that the idea for such an award was independently conceived by Gerald Smith and discussed among ASIH Past-Presidents, including Bruce Collette, Larry Page and John Lundberg, at the 2014 JMIH.

Questions and comments concerning the award, as discussed by the Collections Committee:

- 1) Who should propose the award to the ASIH? The Collections Committee or the Nominating Committee?
- 2) Who would be eligible for such an award?
Primarily Collections Managers, but also Registrars? Curators?
Committee agreed that all candidates should be ASIH members.
- 3) Name of Award?
Suggestion put forth make Susan Jewett the first ichthyological recipient of the award, and then to name the award for her. Susan Jewett was a long-time collection manager of fishes at the US National Museum and served under Ernest Lachner. Greg Watkins-Colwell suggested, and Kirsten Nicholson and Lex Snyder agreed, that there should be no naming rights unless associated with an endowment. The Committee agreed to this.
- 4) How are candidates to be proposed and evaluated?
Committee agreed that, ideally, the award should alternate between an ichthyologist and a herpetologist, and recognized that some candidates blur that distinction. Committee agreed upon a three person “Collections Award Committee” (CAC) to evaluate candidates. The ASIH Nominating Committee would propose members of the CAC. The CAC would be composed of two herpetologists (including Chair) and one ichthyologist in years when the award is to be given to a herpetologist, and two ichthyologists (including Chair) and one herpetologist in years when the award is to be given to an ichthyologist.
- 5) What should the Award be?
Humorous suggestions included a drum of ethanol, archival paper, or Datamax printer. Lex Snyder suggested contacting collections-related vendors (e.g., Delta, Gaylord, Pharmco, Fisher) to raise an endowment. All current ASIH awards involve a plaque of some sort (cost ca. \$120).

The Collections Committee agreed to propose Resolution for Collections Award at 2014 ASIH Business Meeting. Mark Sabaj Pérez prepared Resolution with help from Matt Craig and Greg Watkins-Colwell. However, the Resolution was submitted too late for incorporation into

the 2014 business meeting. Therefore, Mark will submit the following Resolution for the 2015 ASIH business meeting in Reno:

Whereas natural history specimens and their derivatives serve as the foundation for diverse research on the biology and conservation of fishes, amphibians and reptiles...

And, whereas the repositories of such objects serve as archives of biodiversity, providing historical continuity between past, present and future studies...

And whereas the enduring value of such specimens and repositories to science and society is dependent upon those dedicated to their preservation, management and advancement...

Therefore be it resolved that the ASIH will recognize Excellence in Service to Natural History Collections with the annual Spiritus Award.

Next during the Collections Committee meeting, Kirsten Nicholson brought up the subject of the Nagoya Protocol and its implications for collections management; a brief discussion ensued.

The aforementioned protocol is an international agreement with goals summarized in its full title: The Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization to the Convention on Biological Diversity. It was adopted by the Conference of the Parties to the Convention on Biological Diversity at its tenth meeting on 29 October 2010 in Nagoya, Japan. The Nagoya Protocol “entered into force” in January 2015, 90 days after 50 countries accepted, approved, accessioned or ratified it. As of March 2015, it appears that 59 countries are so listed (<http://www.cbd.int/abs/nagoya-protocol/signatories/>). Information on the Nagoya Protocol is at: <http://www.cbd.int/abs/>.

The Committee noted that the US has not signed the Nagoya Protocol (its status is left blank in the aforementioned list). Components of the Nagoya Protocol resemble those of Material Transfer Agreements (MTAs) necessary for Brazilian natural history museums to send and receive specimens and genetic resources to and from foreign institutions. But, MTAs are between specific institutions, whereas the Nagoya Protocol is between nations. For the most part, the Collections Committee does not know how the Nagoya Protocol will ultimately affect the work of US natural history museums. The Nagoya Protocol is sure to be a topic of future discussions.

A related topic was briefly discussed: MTAs (Material Transfer Agreements) with Brazilian museums. Technically, the “Legal Representative” of each of the two institutions involved must sign MTAs. However, at some American institutions, the legal representative may be unwilling to agree to the terms of the MTA (which are based on Brazilian law). A Senior Associate Vice Provost (SAVP) at Drexel University now signs MTAs between the Academy of Natural Sciences and Brazilian institutions. Before agreeing to sign an MTA, however, the SAVP made changes to two terms of the original MTA. The signatory of the Brazilian institution agreed to the changes, but the status of the modified MTA remains unclear. For examples of MTAs and procedures for obtaining MTAs and other permits related to collaborative work in Brazil, Mark Sabaj Pérez encouraged people to visit the website of the iXingu Project (NSF [DEB-1257813](https://www.doi.gov/DEB-1257813)) at: <http://symbiont.ansp.org/ixingu/>

Sarah Huber announced that on 15 May 2014, the National Science Foundation awarded the Virginia Institute of Marine Science (VIMS) a grant (DBI 1349327) to organize, expand and digitize its large and important collection of larval fishes from around the world. Eric Hilton (PI), Deborah Steinberg (CoPI) and Sarah Huber (CoPI) submitted their proposal to the Collections in Support of Biological Research (CSBR) program at NSF.

H.J. Walker, in his continuing saga involving local fire marshals, stressed the importance of staying current on the evolving nature of safety regulations.

Kirsten Nichols asked about providing voucher numbers for tissue samples, a practice required for some publications. Reluctance to do so is because a tissue sample may eventually become exhausted. Lex Snyder commented that separate catalog or filing numbers should be applied to cryo-samples. Ideally, each one of those numbers is linked to the catalog number for a specimen that may or may not be vouchered at the same institution as the cryo-sample. That discussion concluded the JMIH Collections Committee meeting.

A new, up-to-date version (v. 5.0) of the Standard Symbolic Codes for Institutional Resource Collections in Herpetology & Ichthyology was made available by Mark Sabaj Pérez (compiler/editor) via the ASIH website on 22 September 2014. The new list contained 1633 abbreviation records including 125 newly added, as well as important corrections to previously listed abbreviations. *Copeia* authors were encouraged to use/cite the new list. For comments and suggestions on v 5.0, thanks extended to: William D. Anderson, Jr., Gloria Arratia, Hipócrates Chalkidis, David Cundall, Byron J. Freeman, Eli Greenbaum, James Hanken, Sarah Huber, Kei Miyamoto, Mariana Morando, Hiroyuki Motomura, Luciana Barreto Nascimento, Heather L. Prestridge, Rob Robins, Alexandra M. Snyder, Leandro Sousa, Victor Springer, Lou Van Guelpen, James Anyelo Vanegas-Rios, and Matthew D. Wagner.

On 31 December 2014, the last day of his Presidency, H. Bradley Shaffer emailed Mark Sabaj Pérez to ask 1) if he was willing to stay on as Chair, and 2) if the slate of members and subcommittees needed updating. Mark agreed to stay on as Chair of the committee and noted that the committee membership is relatively “open”. Over the past few years, anyone interested in joining the committee has been welcome to do so. That said, there are many “legacy” subcommittees that are essentially inactive. Therefore, Brad Shaffer, Maureen Donnelly and Mark agreed that at the 2015 JMIH in Reno, the Collections Committee should evaluate its slate of subcommittees and propose dissolution where necessary.

During JMIH meetings past, the Collections Committee discussed adding “Collections Related” to the list of categories from which one may choose when submitting a contributed Oral Paper or Poster via the JMIH website for Abstract Submissions (current categories are: Behavior, Biogeography & Phylogeography, Conservation & Management, Development, Ecology, General Herpetology, General Ichthyology, Genetics, Morphology & Histology, Physiology, Reproduction, and Systematics). At the April 2015 meeting of the ASIH Meeting Management and Planning Committee, Martha Lynn Crump shared the idea with that committee and they agreed it was good. In the Fall of 2015, Marty will be working with Oxford on the Abstract Submission website and “will be sure to have them add it for the 2016 and future JMIH meetings”.

2014 Ichthyological and Herpetological Collections Committee Meeting Attendance

Craig, Matt
Ford, Linda S.

University of San Diego
Harvard Museum of Comparative Zoology

Frable, Ben	Oregon State University
Hartel, Karsten	Harvard Museum of Comparative Zoology
Hendrickson, Dean	University of Texas, Austin
Huber, Sarah	Virginia Institute of Marine Science
Klepadlo, Cynthia	Scripps Institution of Oceanography
Konstantinidis, Peter	Virginia Institute of Marine Science
Mann, Justin	Tulane University
McMahon, Caleb	Field Museum of Natural History
Nicholson, Kirsten	Central Michigan University
Rosado, José	Harvard Museum of Comparative Zoology
Rob Robins	Florida Natural History Museum
Sabaj Pérez, Mark	Academy of Natural Sciences of Philadelphia
Schneider, Greg	University of Michigan
Singer, Randy	University of Alabama
Snyder, Alexandra	Museum of Southwestern Biology, Univ. New Mexico
Thompson, Ken	Lock Haven University
Walker, H.J.	Scripps Institution of Oceanography
Watkins-Colwell, Gregory	Yale Peabody Museum
Watters, Jessa	Sam Noble Museum
Werneke, David	Auburn University
Williams, Jeff	Smithsonian Institution, US National Museum

ASIH COLLECTIONS COMMITTEE as of 5 June 2015

Chair

Mark Sabaj Pérez sabaj@ansp.org

Newsletter Subcommittee

H.J. Walker (Chair) hjwalker@ucsd.edu
Cynthia Klepadlo cklepadlo@ucsd.edu
Rob Robins rhrobins@flmnh.ufl.edu
Lou Van Guelpen arc@mar.dfo-mpo.gc.ca
Matthew T. Craig matthew.craig@upr.edu

Supplies and Practices Subcommittee

Nelson Rios (Chair) nelson@museum.tulane.edu
Barbara Brown bbrown@amnh.org
Mark Sabaj Pérez sabaj@ansp.org
Gregory Schneider ges@umich.edu
Ken Thompson kthompso@lhup.edu
Lou Van Guelpen ARC@mar.dfo-mpo.gc.ca
J. Tom Giermakowski tomas@unm.edu
Andy Bentley abentley@ku.edu
Randy Singer rsinger@flmnh.ufl.edu
Ben Frable ben.frable@oregonstate.edu

Ichthyological & Herpetological Data Standards Subcommittee

Jeffrey T. Williams (Chair) WILLIAMSJT@si.edu
Stanley D. Blum sblum@calacademy.org
Paulo Andreas Backup backup@acd.ufrj.br
David Catania dcatania@calacademy.org
Dean Hendrickson deanhend@austin.utexas.edu
Richard Pyle deepreef@bishopmuseum.org
Nelson Rios nelson@museum.tulane.edu
Katherine Maslenikov pearsonk@u.washington.edu
Jens V. Vindum jvindum@calacademy.org

Story of *Spiritus*¹

“In most cases, a single well-preserved [natural history] specimen is of more value to science than ten which have been insufficiently cared for. *What is worth preserving at all is worth preserving well.*”

—B.G. Wilder & S.H. Gage 1886:121

Spiritus is Latin for “breath” or “wind”, and in that sense synonymous with the Greek word *pneuma*. To Aristotle (384–322 BCE), *spiritus* was divine, analogous to the astral element, and the vital heat that conveyed the soul during procreation (Platt 1912). Medical philosophers from Galen (129–ca. 200/216 CE) to Jean François Fernel (1497–1558) echoed and expanded Aristotle’s views on *spiritus*. To Galen, *spiritus* was corporeal, yet invisible; material, albeit extremely subtle and rarefied, like a hot vapor (Bono 1995). To Fernel (1554:105), *spiritus* was “an aetherial body, the seat and container of the innate heat and faculties of the soul, the primary instrument for the execution of organic functions.” According to Siraisi (1997:159), Fernel’s *spiritus* “flowed down from the heavens into the very substance of terrestrial things”, thereby determining their form, and distributed life-giving heat throughout the body, thereby insourcing all vital function. Essentially, *spiritus* was the nexus of body and soul, a *tertium quid* (Hankins et al. 1995).

Woven throughout such philosophical discourse was a more practical, medicinal meaning to the term *spiritus*. To alchemists and apothecaries, the vapors released by a heated substance were spirits, the substance transformed. By the 1700s, *spiritus* was well established in the pharmaceutical lexicon. Thomas Castle (1828:165) defined *spiritus* as a “name formerly given by chemists to all volatile substances collected by distillation”. Alcohol, our fluid of choice for preserving natural history specimens, is the spirit of wine, distilled from potables of yeast fermentation.

Fermented beverages can be traced back through human history to 6600–7000 BCE. From the Neolithic village of Jiahu, China, pottery jars preserve evidence of a drink fermented of rice, honey and fruit, perhaps hawthorn and/or grape (McGovern et al. 2004). In an abundance of sugar, wine yeast (*Saccharomyces ellipsoideus*) continues fermentation until the alcohol rises to about 14 percent (Duddington 1958), after which the yeast succumb. To conjure higher spirits, a technological breakthrough was needed: distillation.

Distillation, the practice of condensing vapors evaporated from liquid mixtures, also dates to antiquity (Toulmin & Goodfield 1962, Kockmann 2014). In Mesopotamia between 3000–3500 BCE, the Sumerians crafted earthenware pots to distill a substance for extracting essential oils from leaves and herbs (Levey 1959, Kockmann 2014). The Sumerian extraction pots, and those later from China, ca. 500 BCE (Needham et al. 1980), are deeply ancestral to the Victorian laboratory apparatus called the Soxhlet extractor (Jensen 2007), as well as the modern coffee percolator (Toulmin & Goodfield 1962).

The first use of distillation specifically to purify the products of fermentation is unclear (Forbes 1948). Ancient practitioners are certainly cradled with the birth of alchemy in Greco-Roman Egypt at the dawn of the Common Era (Mertens 2006). The artistry and apparatuses of distillation are well developed by the end of 3rd Century, outcomes of a synergy between philosophy and technology, scholars and artisans (Forbes 1948, Koenig 1950). At the Bibliothèque nationale de France, one finds the oldest descriptions and illustrations of stills as they appeared in the *Codex Parisinus graecus* 2327, one of three or four manuscripts composing

the Greek *Alchemical Corpus* (Mertens 2006). The *Alchemical Corpus*, a vast miscellany compiled in Byzantine times, includes the scattered the writings of Zosimus of Panopolis (fl. ca. 300 CE), as well as teachings ascribed to his alchemist predecessors (Mertens 2006, 2012). Among the latter group is “Maria”, a dual persona attributed to both Maria the Jewess, an alchemist in Hellenistic Egypt, and Miriam the Prophetess, elder sister of Moses (Patai 1994). Maria the Jewess appears to be a nonfictitious individual and is modernly held as the Mother of Western Alchemy (Patai 1982). Her identification with the biblical heroine may be purely allegorical, a literary device employed by alchemists to impart “some show of authority to their nebulous doctrines” (Holmyard 1957:27). In any event, the authors of the *Alchemical Corpus* hallowed “Maria” for having established the traditions of distillation (Forbes 1948, Patai 1982, 1994, Halleux 2012).

The advent of distillation allowed Hellenistic alchemists to rectify the products of fermentation to at least 50 percent ethyl alcohol, the minimum strength at which alcohol will burn (Simmons 2014). Wine was an early choice for distillers to produce a spirit known today as brandy. Roman naturalist and philosopher Pliny the Elder (23–79 CE) described a combustible wine that “takes fire on the application of flame” (Bostock & Riley 1855:240). *Spiritus rectificatus vinosus*, or ethanol, was born of a Medieval obsession, the dogged pursuit of the purest of substances. Alchemists and apothecaries believed that the repeated distillation, or rectification, of wine would yield an elixir of life or the “quintessence”, a fifth element aside Aristotle’s air, water, fire and earth. Florentine alchemist Taddeo Alderotti (ca. 1210–1295) extolled one such product, *aqua vitae*, as “the parent and lord of all medicines” and praised “its glory inestimable” (McVaugh 1974:785). The power of ethanol to preserve dead specimens would not be fully appreciated for another 400 years.

Simmons (2014) carefully documented the history of ethyl alcohol as a fluid preservative of natural history specimens. The ability of distilled wine to keep dead flesh from rot was known by the latter 15th Century when Austrian physician Michael Puff von Schrick advertised the folk medicinal merits of *gebrannt wein*, or burned wine² (Weinlig 1820, Hagen 1876:84, Forbes 1948). But, the use of alcohol specifically for specimen preservation was not recorded until the latter 17th Century. On 4 June 1662, English physician William Croone (1633–1684) produced before the Royal Society of London “two embryos of puppy-dogs, which he had kept eight days, and were put in spirit in a glass-vial sealed hermetically” (Birch 1756:84). A few months later, Anglo-Irish chemist Robert Boyle (1627–1691) showed “a puppy in a certain liquor, in which it had been preserved during all the hot months of the summer, though in a broken and unsealed glass” (Birch 1756:110).

The next specimens preserved in alcohol and brought before the Royal Society were a “linnet and a little snake, preserved already four months, entrails and all, without any change of the colour, in some spirit of wine made after a peculiar manner. Both the glasses, wherein they were kept, were ordered to be sealed up with wax, and put into the repository” (Birch 1756:374). Those specimens were presented on 20 January 1664, also by Boyle (Birch 1756), and so joined a growing Cabinet of Curiosities that eventually became the Society’s museum housed at Gresham College, London (Hunter 1989). Seventeen years later, the snake and passerine remained preserved in rectified wine in the Society’s Repository according to Nehemiah Grew (1681:48,58). Perhaps unaware of Croone’s puppies, or in deference to Boyle’s ego (J. Simmons pers. comm.), Grew (1681:58) also noted, “so far as I know, [Boyle] was the first [who] made trial of preserving Animals this way”.

Pioneering achievements in plant anatomy aside, Nehemiah Grew (1641–1712) was perhaps among the first professional hires to execute the curatorial duties of a large and institutionally assembled natural history collection. Cabinets of Curiosities had existed centuries before. Perhaps the most spectacular was amassed in Bologna by Ulisse Aldrovandi (1522–1605), regarded by Linnaeus as the father of natural history studies (Cristini 2014). Aldrovandi intended his ‘theatre’ of some 18,000 specimens of animals, plants, minerals and artworks to serve as an inventory of the world’s natural history (Stacey & Hay 2007). Care for such early collections, however, relied heavily on the individual who assembled them, the curator, and his minions. In a qualified sense, Nehemiah Grew may have been the first professional collection manager of a major museum of natural history.

Grew was granted a one-year appointment as a curator of the Repository in 1672 (Hunter 1982, Lefanu 1971), one year after receiving his medical degree in Leiden. In 1678, Grew was tasked to organize and inventory the Repository’s natural history and anthropological collections, a job largely completed by the publication of his *Musaeum Regalis Societatis* in 1681. Grew’s 386-page catalog is remarkably thoughtful and displays a clear respect for the intrinsic value of the objects in his care. His specimen accounts include informative details on their identity, comparative anatomy, size, origin and donor, as well as relevant descriptions by other authors that he criticized and corrected when unsatisfactory. The catalog was lavishly illustrated with 22 plates depicting minerals and specimens from seeds to mammal skulls. In the introduction to his section on shells, Grew voiced the organizational challenges common to modern-day curators and collection managers: “There is a large Treasure of Shells in this museum: in all, great and small, about six hundred. The Reduction of all which to the Order of Nature, whoever shall go about, will find to be no little Task” (Grew 1681:124).

By the summer of 1681, around the time when Grew set aside his museum work to further his medical practice, John Evelyn, a founding member of the Society, remarked that the Repository was “put...into an excellent method” (Hunter 1989:153). Responsibilities for the collection subsequently “devolved to the Society’s more menial operators and clerks” (Hunter 1989:153), and by 1710 the Repository evidently suffered from years of neglect. A visiting German scholar, Zacharias Conrad von Uffenbach, wrote dismissively in his travel-journal, “Hardly a thing is to be recognized, so wretched do they all look...the finest instruments and other articles [are] not only in no sort of order or tidiness but covered with dust, filth and coal-smoke, and many of them broken and utterly ruined” (Hunter 1989:153; Henderson 2010). In the absence of dedicated, professional care, entropy and decay filled the void.

In an early account on the origin and development of natural history museums, German entomologist Hermann August Hagen (1817–1893) hailed the discovery of the preservative properties of alcohol as most important “to the existence and preservation of collections” (Hagen 1876:84). The ability of alcohol to maintain the integrity of natural history specimens is well tested, but spirits alone cannot ensure the durability of collections and the institutions that house them. The *Spiritus* Award of the American Society of Ichthyologists and Herpetologists recognizes the importance of those dedicated to the preservation, management and advancement of natural history collections of fishes, amphibians and reptiles.

“In a really interesting and obvious way, every new discovery, every improvement in the manner of preservation, has given a newer and stronger impulse to the enlargement of [natural history] collections, to the perfection of science”.
—H.A. Hagen 1876:82

Acknowledgements: For comments and translations, thanks to Stefan Karl Hetz, Edgar Lehr, Norma Salcedo, and Andreas Tanke. Special thanks to John E. Simmons for reading and providing informative suggestions on the manuscript.

References

- Birch, T. 1756–1757. The history of the Royal Society of London for improving of natural knowledge from its first rise. Vol. 1. A. Millar, London [1968 reprint].
- Bono, J.J. 1995. The word of God and the languages of man. Interpreting nature in early modern science and medicine. Vol. 1: Ficino to Descartes. The University of Wisconsin Press, Madison.
- Bostock, J., and H.T. Riley. 1855. The natural history of Pliny. Translated, with copious notes and illustrations. Vol. III. H.G. Bohn, London.
- Castle, T. 1828. *Lexicon Pharmaceuticum*, or a Pharmaceutical Dictionary, comprehending the pharmacopoeias of London, Edinburgh, and Dublin, with a variety of other useful information relative to medicine and pharmacy. Designed expressly for the use of students. 2nd Edition with corrections, and an additional appendix on the new remedies. Printed for E. Cox and son, and W. Simpkin and R. Marshall, London.
- Cristini, L.S. 2014. Oranges, mandarins, cedars, lemons & bergamots... Artistic engravings of Ferrari, Aldrovrandi, Volckhamer... Soldiershop publishing. 18 p.
- Duddington, C.L. 1958. Yeast and its products. *The New Scientist*: 168–170.
- Fernel, J.F. 1554. *Medicina*. André Wechel, Paris.
- Forbes, R.J. 1948. A short history of the art of distillation from the beginnings up to the death of Cellier Blumenthal. E.J. Brill, Leiden. 405 p. [1970 reprint].
- Grew, N. 1681. *Musaeum regalis societatis*. Or a catalogue & description of the natural and artificial rarities belonging to the Royal Society and preserved at Gresham Colledge. W. Rawlins, London.
- Hagen, H.A. 1876. The history of the origin and development of museums. *The American Naturalist* 10(2): 80–89.
- Halleux, R. 2012. Alchemy. p. 51–52 *in*: *The Oxford Classical Dictionary*, 4th Edition. S. Hornblower, A. Spawforth and E. Eidinow (eds). Oxford University Press, Oxford.
- Hankins, J., S. Clucas & V. Rees. 2011. Monstrous Melancholy: Ficino and the Physiological Causes of Atheism. *in*: *Laus Platonici Philosophi: Marsilio Ficino and His Influence*. S. Clucas, P.J. Forshaw & V. Rees (eds.). E.J. Brill, Leiden.
- Henderson, F. 2010. Hooke, Newton, and the ‘missing’ portrait. *The Repository*, the Royal Society’s history of science blog, posted 3 Dec 2010.
- Holmyard, E.J. 1957. Alchemy. Dover Publications, New York. 281 p.
- Hunter, M. 1982. Early problems in professionalizing scientific research: Nehemiah Grew (1641–1712) and the Royal Society, with an unpublished letter to Henry Oldenburg. *Notes and records of the Royal Society of London* 36(2): 189–209.
- Hunter, M. 1989. Establishing the New Science: The Experience of the Early Royal Society. Boydell & Brewer, New York. 382 p.
- Jensen, W.B. 2007. The origin of the Soxhlet Extractor. *Journal of Chemical Education* 84(12): 1913–1914.

- Kockmann, N. 2014. Chapter 1. History of distillation. p. 1–43 *in*: Distillation: Fundamentals and principles, 1st Edition. A. Gorak and E. Sorensen (eds.). Academic Press. 450 p.
- Koenig, F.O. 1950. [Review of] R. J. Forbes: Short History of the Art of Distillation from the Beginnings up to the Death of Cellier Blumenthal. Iii + 405 pp. Leiden: E. J. Brill, 1948. *Isis* 41(1): 131–133.
- Lefanu, W.R. 1971. The versatile Nehemiah Grew. *Proceedings of the American Philosophical Society* 115(6): 502–506.
- Levey, M. 1959. Chemistry and chemical technology in Ancient Mesopotamia. Elsevier, Amsterdam.
- Mertens, M. 2006. Graeco-Egyptian alchemy in Byzantium. p. 205–230 *in*: P. Magdalino & M. Mavroudi (eds), *The occult sciences in Byzantium*. La Pomme d'or, Geneva.
- Mertens, M. 2012. Zosimus, alchemist, p. 7185–7186 *in*: *The Encyclopedia of Ancient History*, 1st Edition. R.S. Bagnall, K. Brodersen, C.B. Champion, A. Erskine and S.R. Huebner (eds). John Wiley and Sons, Inc.
- McGovern, P.E., J. Zhang, J. Tang, Z. Zhang, G.R. Hall, R.A. Moreau, A. Nuñez, E.D. Butrym, M.P. Richards, C.-s. Wang, G. Cheng, Z. Zhao & C. Wang. 2004. Fermented beverages of pre- and proto-historic China. *Proceedings of the National Academy of Sciences* 101(51): 17593–17598.
- McVaugh, M. 1974. Translation of Taddeo Alderotti (ca. 1223–ca. 1295): The preparation and medicinal use of alcohol. p. 785 *in*: *A Source Book in Medieval Science*, Volume 1. E. Grant (ed). Harvard University Press. 864 p.
- Needham, J., P.-Y. Ho, G.-D. Lu and N. Sivin. 1980. *Science & Civilisation in China*, vol. V: Chemistry and chemical technology, part 4: Spagyric discovery and invention: apparatus, theories and gifts. Cambridge University Press, Cambridge.
- Patai, R. 1982. Maria the Jewess: founding mother of alchemy. *Ambix* 29: 177–197.
- Patai, R. 1994. *The Jewish Alchemists: A History and Source Book*. Princeton University Press. 617 p..
- Platt, A. 1912. [translation of] *De Generatione Animalium* [On the generation of animals] by Aristotle, ca. 355 BC. eBook available from The University of Adelaide at: <https://ebooks.adelaide.edu.au/a/aristotle/generation/>.
- Simmons, J.E. 2014. *Fluid preservation: a comprehensive reference*. Rowman & Littlefield, Lanham, Maryland.
- Siraisi, N.G. 1997. *The clock and the mirror: Girolamo Cardano and Renaissance medicine*. Princeton University Press.
- Stacey, R., & A. Hay. 2007. *Museum. The Macleays, their collections and the search for order*. Cambridge University Press. 196 p.
- Tan, K.S. 2014. *Dynastic China. An elementary history*. The Other Press Sdn. Bhd., Petaling Jaya, Malaysia.
- Toulmin, S., and J. Goodfield. 1962. *The architecture of matter*. Hutchinson & Co., London. 339 p.
- Weinlig, C.O. 1820. *Verbesserter Branntweinbrenner und Liqueur-Fabrikant*. Frankfurt am Mayn.
- Wilder, B.G., and S.H. Gage. 1886. *Anatomical technology as applied to the domestic cat. An Introduction to human, veterinary, and comparative anatomy with illustrations*. 3rd Edition, Revised. A.S. Barnes & Co., New York.

¹With valuable help from John E. Simmons, this essay is carefully worded to maximize its fidelity to scholarly sources. An effort was made to separate the wheat (original scholarly works) from the chaff (popular works or otherwise scholarly works that misinterpret primary sources). For example, the first distillation of alcohol is routinely attributed to the Chinese, ca. 800 BCE. I could not find a primary source to support that claim. In the most trusted work consulted here, Needham et al. (1980:78-79) stated: “All indications justify the Liu Chhao period [period of Six Dynasties, ca. 220–589 BCE *sensu* Tan 2014:141] as the time when we can first be reasonably sure of distillation in China”. Although the Eastern origins of the still are obscure, Needham et al. (1980:162) concluded, “strong alcohol began to drip from the side-tubes of Chinese stills from the +7th century onwards...”. Diligence in such matters transformed a morning’s distraction into a weeklong obsession, a Google-fueled pursuit of the purest possible account, a *narratio rectificatus*.

²In his informative paper on the history of natural history museums, Hagen (1876:84) remarked on a work printed in 1483 in Augsburg that “set forth the excellent qualities of the fluid [alcohol], and stated decidedly that it had been proved that all meat, fish, and fowl put up in alcohol would be well preserved, and would never decay”. Hagen thereby considered the use of alcohol “for the preservation of animal substance” to date “not much before 1483”. The work in question is a manuscript prepared ca. 1455-1466 by Austrian physician Michael Puff von Schrick, and printed in various forms from 1478 to the early 1500s (Forbes 1948:108). Schrick’s work (see Weinlig 1820) contained medicinal recipes compiled from other sources, and in 1484 he was accused of plagiarizing Dr. Bartholomaeus of Benevent [corrected to Salerno by Forbes]. Forbes translated two passages accordingly: “anyone who drinks half a spoon of brandy [distilled wine] every morning will never be ill” and “when one is dying and a little brandy is poured into his mouth, he will speak before he dies”. Edgar Lehr (pers. comm. 2015) translated a third passage, presumably the source Hagen’s remarks: “Who pours wine into a dead, it does not rot nor does it stink on earth or below. When meat is coated with it, rare or cooked, it does not rot nor does it stink. Also if burnt wine [brandy] is poured into turbid wine it will become good again”. Lehr noted that Schrick’s passages read like anecdotes advertising the wonderfully useful properties of brandy. Likewise, John E. Simmons (pers. comm. 2015) considered Schrick’s passage to reflect commonly held beliefs that brandy was a powerful tonic, rather than knowledge of alcohol as a preservative. –M.H. Sabaj Pérez, 8 June 2015

Submitted for the committee,
Mark Sabaj Pérez, Committee Chair

38. NFJC: Joint ASIH-AFS Committee on Names of Fishes – Larry M. Page

The 7th edition of the *Common and Scientific Names of Fishes from the United States, Canada, and Mexico* was published in March 2013 as American Fisheries Society Special Publication 34. Since then the Joint ASIH-AFS Committee on Common and Scientific Names of Fishes has been updating the ‘List’ for an 8th edition as well as discussing with AFS development of an online version of the List where proposed changes in names can be posted as they appear in print and/or are recommended by the Committee, thereby providing opportunities for comments from members of ASIH and AFS to be considered by the Committee.

Most recent activities by the committee have followed the decision to expand coverage of the List to the boundaries of the Exclusive Economic Zone (EEZ), beyond the bathymetric (200-m depth) limit used in previous editions. This will produce a list of all species within the legal jurisdictions of the U.S., Canada and Mexico.

Submitted by Larry M. Page (Chair) for the committee: Lloyd T. Findley, Carter R. Gilbert, Robert N. Lea, Nicholas E. Mandrak, Juan Jacobo Schmitter-Soto, Karsten E. Hartel, Carole C. Baldwin, and H. J. Walker.

39. NSCAR: Representative to the Natural Science Collections Alliance - Larry M. Page

The NSC Alliance is a nonprofit association that supports natural science collections. The approximately 100 institutional members are part of an international community of institutions that house natural science collections and utilize them in research, exhibitions, academic and informal science education, and outreach activities. Key activities and accomplishments of the NSC Alliance during the past year included the following:

- Partnered with AIBS and the Society for the Preservation of Natural History Collections to launch a national initiative to build a biocollections community that is able to implement and achieve the goals of the Network Integrated Biocollections Alliance. The project is supported by a five-year grant from the National Science Foundation.
- After years of advocacy from NSC Alliance and the scientific collections community, the White House Office of Science and Technology Policy issued a directive to federal agencies to develop policies to improve the management of and access to federal scientific collections.
- Provided testimony to House and Senate Appropriations Committees in support of increased funding for research, curation, and digitization of natural history collections from the National Science Foundation and the Department of the Interior.
- In collaboration with other scientific organizations, NSC Alliance pushed for increased funding for basic research to close the innovation deficit and opposed further restrictions on the ability of federal employees to attend scientific conferences.
- Served as an allied partner in the Heritage Health Information 2014 Survey, which will assess the state of the nation’s collections held by museums, scientific research collections, archaeological repositories, archives, and libraries.
- Released a new paper in the NSC Alliance series “On the Importance of Scientific Collections” about the use of genetic information preserved in natural history specimens to inform wildlife management research.
- Provided regular policy and news updates via the NSC Alliance Washington Report. The newsletter is freely available. Subscribe at www.nscalliance.org.

40. SPUC: Special Publications Committee – Jonathan W. Armbruster

Sales remained relatively steady, but Special Pub. #6 has dropped. We had recommended that the book be made available through Amazon for \$110 last year, but that was not accomplished.

Total Sales Figures

Special Publication #3:	2004: 16 copies,	\$542.00
Collection Building	2005: 14 copies	\$448.50
	2006: 13 copies	\$453.00
	2007: 14 copies	\$440.25

	2008: 11 copies	\$372.00
	2009: 9 copies	\$285.00
	2010: 29 copies	\$796.25
	2011: 6 copies	\$284.50
	2012: 7 copies	\$292.75
	2013: 8 copies	\$226.50
	2014: 17 copies	\$606.00
Special Publication #4: Fishes of Bermuda	2004: 16 copies,	\$601.50
	2005: 19 copies	\$811.00
	2006: 18 copies	\$604.00
	2007: 14 copies	\$499.00
	2008: 6 copies	\$199.00
	2009: 3 copies	\$116.50
	2010: 24 copies	\$627.50
	2011: 2 copies	\$68.00
	2012: 4 copies	\$166.00
	2013: 18 copies	\$570.50
	2014: 9 copies	\$318.00
Special Publication #5: Living Marine Resources	2004: 97 copies,	\$10,540.00
	2005: 49 copies	\$5,432.00
	2006: 22 full sets, 4 volume 2, 3 Volume 3	\$2,494.00
	2007: 8 full sets, 38 individual volumes	\$1,962.00
	2008: 7 full sets, 4 individual volumes	\$861.00
	2009: 4 full sets, 4 individual volumes	\$517.00
	2010: 30 full sets, 18 individual volumes	\$2,917.50
	2011: 11 full sets, 6 individual volumes	\$1,199.30
	2012: 7 full sets	\$702.00
	2013: 14 Vol 1, 5 each Vol 2 and 3	\$684.00
	2014 8 Vol 1 and 3, 9 Vol 2	\$979.99
Special Publication #6 An Empirical Synthetic Pattern Study of Gars	2010: 161 copies	\$3,786.00
	2011: 26 copies	\$993.00
	2012: 6 copies	\$638.00
	2013: 20 copies	\$953.5
	2014: 3 copies	\$217.00
Total 2014		\$2,120.99

41. WCMC: Web Content and Management Committee - Steven J. Beaupre

The 2014 members: Melissa Gibbs, John Lundberg, Margaret Neighbors, Brian Sidlauskas, Jacqueline Webb, and Mo Donnelly (ex Officio).

The WCMC met on Saturday, August 2, 2014 at the JMIH meeting in Chattanooga, TN. Committee members present at the meeting were: S. Beaupre, M. Neighbors, M. Donnelly, J. Webb, and D. Murphy (web host/ webmaster). Also present were Brad Schaffer, Larry Allen, and Karen Lips.

The meeting was attended by Dennis Murphy, who is our Professional web host / webmaster. Dennis' presence allowed more detailed discussion of several possible modifications to the ASIH web site. Specifically, the following issues were discussed:

1. Analytical Reports on Web usage.

Dennis provided detailed statistics on the nature of use of the ASIH web site. Between January 2014, and July 2014, there were approximately 24,061 use sessions, with a mean of about 125 hits per day (range 80-200 per day). The bounce rate was ca. 45% (these are hits where the user views a single page and then leaves the site), and was typically higher for people using mobile or tablet devices. About half of the visitors (ca. 49%) were directed to the site by a google search; 20% typed in the address direct, the remainder from a variety of less popular search engines. Approximately 83% of visitors were from the U.S., with Brazil, Canada, Australia, China, France, Germany, India, Japan, Mexico and the UK comprising the remainder. The most frequently accessed pages were Home, Meetings and Jobs (in that order).

2. Ongoing web site edits:

Prior to the meeting in Chattanooga, the WCMC was charged with a detailed review of the site including broken links and other editorial details. Information provided to the committee was collated, and transferred to Dennis Murphy, who made the majority of the requested corrections. I recommend that this be an annual process, because complex web sites tend to accumulate minor errors with time.

3. Status of ASIH History page, obituaries, and news.

The history page is still a work in progress. Tim Berra supplied a document that was posted as part of the ASIH history under the "About" link. Joe Mitchell and David Smith are working on a text contribution for a society history page. The display of obituaries on the web-site has been an on-going source of controversy. It is the committee's desire to both alert the membership to the loss of members in a sensitive way, and to preserve those records. For the time being, obituaries are posted under the news link. The committee will entertain any reasonable alternative suggestions. A policy for material expiration will be applied to pages with renewable content (News, and Jobs). Old posts will be removed after 6-months, or after deadlines make them irrelevant, whichever comes first.

4. Mobile-Friendly Site?

The committee discussed whether we need a version of the site that is specific to serving mobile devices. While there was some support for the idea, an examination of our use data suggest that less than 15% of web site users access with mobile devices (phones and tablets), whereas the majority use desktops or laptops. Production of a mobile version of the web site would be a complete over-haul, requiring a budget for renovation. The committee would like to see the site become mobile-friendly, however, due to comparatively low usage this is not a high-priority issue.

These discussions summarized the 2013 meeting of the WCMC.

Please submit to the Image Bank

To remind the membership, an attractive feature of the new website is the image bank (under “Resources”). Society members can submit images of habitats, organisms, and people, under varying public use conditions. These images appear randomly on the webpages as users browse. The membership (especially Ichthyologists) is strongly encouraged to contribute to the image bank through following instructional links on the ASIH.org website. Approval to access the image bank for contribution starts with a simple request email to S. J. Beaupre (sbeaupre@uark.edu). Please let me know if you want access, we verify membership status, and set you up with a password.

Planned activities, 2015 meeting in Reno

The 2015 Web Content and Management Committee will meet in Reno at 4:00-6:00PM on Saturday July 18, in Cascade 2. If you have any input you would like to share about the web site, please contact either myself (SJB), or any member of the committee above. We hope to make the ASIH web site an evolving and dynamic tool for the society.

The WCMC will entertain a set of recommendations from the Ad Hoc Committee on Copeia. Specifically, a request has been made to create a stand-alone (separate from Allen press) page on the ASIH website to facilitate access to Copeia for the membership. The committee will coordinate with Dennis Murphy to determine the scope of the requested modifications, and assess the possibility that a budgetary request will be required.

Finally, I note that we continue the search for a **Web Content Editor**. This individual would be parallel to our Copeia editor in chief, and retain primary responsibility for running the WCMC as Chair, and serving as the general liaison between the society and Dennis Murphy. Any nominations or volunteers would be warmly received.

Faithfully submitted,

Steve Beaupre

42. HIST: History of the Society Committee - David G. Smith & Joseph C. Mitchell

The history committee continued its work related to the current ASIH Centennial. In 2014, four articles were published in the Centennial history series. The first was a pictorial article on the cover of Copeia as it changed over the years, by D. G. Smith and S. A. Platania. The second was a reflection on the second 50 years of Copeia through the eyes of Bruce B. Collette, by E. J. Hilton and D. G. Smith. The third was a summary of the Green River controversy of 1962, by E. J. Hilton and G. R. Smith. The fourth was on Copeia’s namesake, Edward Drinker Cope, by E. J. Hilton, J. C. Mitchell, and D. G. Smith. An additional Historical Perspectives article was published on James Albert Organ and Della Sprague Organ, by S. C. Walls, K. Hamed, and J. C. Mitchell.

Committee co-chairman Smith finished reading through the correspondence of M. Graham Netting at the Smithsonian Archives. He and I. A. Bowman traveled to Pittsburgh to

research an article on the long-time Treasurer of ASIH, Arthur Wilbur Henn. Smith also went to Lawrence KS to interview C. Richard and Catherine H. Robins for a Historical Perspectives article.

Herpetological Historical Perspectives updates include one on George Rabb in final manuscript and several in progress or soon to be. Prodding of several people who said they would do one has largely been ignored. We have received the full manuscript on Jay Savage's 70 year perspective on ASIH which we hope will be published in 2015.

Respectfully submitted,

David G. Smith and Joseph C. Mitchell

43. Ad Hoc Committee on the 100th Anniversary of ASIH – Eric J. Hilton

The first face-to-face meeting of the committee took place on August 1, 2014 in conjunction with the 2014 meeting of the ASIH, and was attended by all members of the committee and several other interested parties. The meeting began with ASIH Past-President Matthews expressing his thanks to the committee, and providing context for the charge of the committee as he envisioned it when he established the committee at the 2013 annual meeting of the ASIH. It was suggested that the Committee membership was fine as appointed with the addition of a student representative (Mohammadi, who was in attendance, has agreed to participate on this committee). ASIH President Shaffer suggested using the ASIH centennial to make a broader statement on the relevance of taxon-based societies. It was noted that of all the leading taxon-based societies in the United States (and elsewhere?) only some of the bird societies were older than the ASIH, and therefore the ASIH Centennial could be used to more generally engage the scientific and general public communities and discuss the importance of the role that this type of society serves. Possible venues for this engagement were discussed. It was agreed upon that the focus of many of the functions of this committee should not be solely on the history of the society but on where the society will be in the next 100 years. The suggested heading for all of the Centennial Celebration was something to the effect of: "The Next 100 Years of the ASIH – Biodiversity and Conservation".

Continued discussion concerned possible activities marking the 2016 Centennial during the annual meeting of that year, including a "Mardi Gras" style parade and some form of end of meeting celebration. It was noted that coordination between the Centennial Committee and the Local Host committee and other regional ASIH members was necessary for success of these events. The Centennial and Local Host committees have been in contact since this meeting, and the Centennial Committee has advised on certain general activities for the meeting and how these might relate to the goals of both committees. The Local Hosts have outlined great events and the Centennial Committee will look for ways to work aspects of the 100th Anniversary into these and other aspects of the annual meeting. It was noted that the ASIH has a long history of meeting in New Orleans, having met most recently there in 1996 and 2006. Engagement of the general community in and around New Orleans might be a good way of attracting attention of the public and the broader scientific communities to the centennial of ASIH (i.e., through local media).

At its 2015 meeting, the Centennial Committee discussed the centennial series of historical publications for *Copeia* being published during the Centennial Period (2013-2016). Authors and topics planned for the remainder of the centennial period, with the goal of one per

issue, were discussed. There was some discussion of how best to publish these papers, and whether putting them in *Copeia* was ideal or would it be better to have them freely available on the website. This was in part due to the perception that the inclusion of these (which will likely attract few, if any, citations) will bring down the impact factor of *Copeia*. While this is a potential concern, it was pointed out that what better place to publish about the history and importance of the ASIH than in the journal of the ASIH. The idea of making the historical centennial contributions (as published in *Copeia*) freely available on the Society's website was proposed, though there may be issues with copyright. In 2015, there were four centennial papers published (one/issue) on a variety of topics: the Changing Face of *Copeia*; Personal Reflections on the ASIH from Bruce B. Collette; ASIH and The Green River Poisoning of 1962; and Edward Drinker Cope as a namesake.

Meeting activities being planned to mark the ASIH Centennial in 2016 include a slideshow highlighting ichthyologists and herpetologists and the history of ASIH (the venue of this presentation during the meeting has yet to be determined), invited speakers during the plenary session, and an "ASIH: The Next 100 Years" symposium (in April 2015 this symposium was selected for inclusion in the 2016 meeting).

A meeting of the Centennial Committee is scheduled for Friday, July 17, 2015, during the ASIH meeting in Reno, NV.

Eric J. Hilton
Chair

44. Ad Hoc Committee on ASIH Membership – Brian Sidlauskas

The ASIH Ad-Hoc Committee on Membership convened at 5:00 PM on August 1, 2014 at the Joint Meeting in Chattanooga, Tennessee, with the charge to better understand reasons for membership decline, to assemble a concrete set of action items to increase membership, and to help implement those actions. Members present included Brian Sidlauskas (chair), Lynne Parenti, Malorie Hayes, Mollie Cashner, Sean Doody, Ken Thompson, David Cundall and Brad Schaeffer. The committee brainstormed potential reasons that might underlie the current decline in membership, most of which highlighted the facts that the journal is no longer a pull for membership, and that attendance at the annual meeting is not perceived to provide enough benefit relative to its high cost. The committee compiled a list of action items, including (but not limited to) establishing child care at the annual meeting, reducing the rate for student membership in ASIH, implementing lightning talks at the annual meeting, adding practical workshops to the meeting, increasing the social and networking opportunities for graduate students, establishing a permanent mentoring program, and correcting several bugs in the website related to membership renewal. Committee members worked with the ASIH leadership team and the meeting planning committee on these items throughout the year, and some have resulted in tangible outcomes. The cost for student membership will decrease to \$25 in 2016 (commensurate with our peer societies), the website issues have been fixed, the ASIH graduate student committee is organizing a bar trivia night in Reno to serve as the ASIH student welcoming social, and lightning talks were added as an option for the Reno meetings, though only a few people seem to have taken advantage of the format. The committee will discuss ways to better advertise and promote the lightning talks during its annual meeting in Reno. Other action items have resulted in substantial discussion but have not yet resulted in concrete changes,

most notably the committee's strong recommendation that the meeting provide options for childcare. The committee will reconvene in Reno at 5:00 on July 17th, 2015, and as part of the agenda will continue discussions on child care, the graduate student social, workshops and other previously-proposed ways to make the annual meetings more attractive and thereby increase membership in the Society.

Brian Sidlauskas
Chair, ASIH Ad Hoc Committee on Membership

45. Ad Hoc Committee on *Copeia* – Jacqueline F. Webb

(Members: JF Webb (Chair), CK Beachy, WL Smith, D Buth, K Cole, C McMahan)
The Ad Hoc Committee on *Copeia* has met in person and in a conference call in 2014-2015 during which it discussed: 1) journal mechanics, 2) visibility, reputation, and perception of the journal, and 3) strategies for enhancing the range and quality of papers published. The practical questions addressed were - what can we do now to improve *Copeia* (over which we have control)? What should the new, forward-looking mission statement of *Copeia* say (intellectual mission, practical, and technological considerations)?

Journal Impact Factor - We recommend that annual Awards Announcements, substantial Resolutions (as approved) be retained in the journal as one DOI, but that the Minutes of the annual Business Meetings no longer be published in the journal, and instead should be published on the Society website under "Society Documents". In addition, we suggest that the Society consider publishing Obituaries on the Society website in an appropriate location that will be searchable and prominent. These are NOT substantive changes to the journal, but will require coordination between the Editor and the managers of the Society website. This reduction in print content will also reduce printing costs.

We would like to see *Copeia* solicit high quality, impactful (citable) papers by established people (Board of Governors is a good source) and award winners immediately. This should include the Past-Presidential paper, which has not been published regularly. Make these papers Open Access for immediate possibility of citations! (check BioOne contract to see if this is feasible). We recommend that we publish more of the types of articles that have been cited most. Our most cited papers over the years are larger papers, including those in herpetological ecology, phylogenies, and review papers. We recommend that the submission of more of these papers be encouraged. *The Editor has already published the first major review paper.* Where is *Copeia* indexed? PubMed? ISI Web of Knowledge? Indexing services provide significant enhancement of visibility of journal articles that will result in increased citations, and thus impact factor. This is likely tied to BioOne. We recommend the listing of the services that index articles in *Copeia* on the journal homepage (also see below).

Visibility and Reputation of *Copeia* - We recommend that we explore all venues for indexing of *Copeia* (see #4 above). We recommend that we maintain the *Copeia* Wikipedia page, which feeds the *Copeia* Facebook page (<https://www.facebook.com/pages/Copeia/109564032394745>, categorized as a "book" (and automatically populated by Facebook from Wikipedia) in parallel with the *Copeia* website. Determine who will do this. It should be noted that there are currently two ASIH Facebook pages. This issue needs to be resolved by determining which page will be the

official, sanctioned page. We should encourage all ASIH members to “Like” the OFFICIAL page, and we will get more visibility.

Copeia Website - We recommend that the *Copeia* website (www.asihcopeiaonline.org) be overhauled and the committee has provided the Web Content Committee with a mock up of a proposed new page. The website needs to provide more information about *Copeia* (including the sorts of information on other journal websites). ALL information pertaining to *Copeia* should ONLY be on this website (currently there are several pages on the ASIH website that provide different variations of information, which is confusing). Any mention of *Copeia* on the ASIH website should link to this website to make sure that up-to-date information is easily maintained.

The *Copeia* website should be for “one-stop shopping.” It should include, for instance: Forward-looking statement about what *Copeia*’s goals are (Aims/Scope), a bulleted list of the services and benefits for authors, Identity of Editor, and a link to a list of Associate Editors and Editorial Board members, Link to BioOne archive (jstor?), Link to Best Papers, Link to Virtual Issues (see below), Link to “Instructions for Authors”, Link to “Submit a Manuscript” (link to Allen Track, which needs a friendly entry page with clear instructions). We should USE A PAGE WITHIN THE ASIH website (over which we have control) as the official *Copeia* website, and reduce the information on the AllenPress site to avoid confusion/duplication.

A new statement on the “Aims and Scope” of the journal is needed. Any mention that *Copeia* publishes the work of ASIH members must be eliminated to maintain a broad audience, and population of authors. The following is recommended based on similar statements from the websites of other journals. “*Founded in 1913, Copeia is a highly respected international journal dedicated to the publication of high quality, original research papers on the behavior, conservation, ecology, evolution, genetics, morphology, physiology, systematics, and taxonomy of extant and extinct fishes, amphibians, and reptiles. Copeia is published electronically and is available through BioOne. Articles are published Online First, and print issues appear four times per year. In addition to research articles, Copeia publishes invited review papers, papers from topical symposia, and book reviews. The journal now compiles virtual issues on topics of interest drawn from papers previously published in the journal. Copeia is the official journal of the American Society of Ichthyologists and Herpetologists (ASIH). A subscription to Copeia (and electronic access to past issues) is a benefit of annual membership in ASIH.*”

Virtual Issues - We recommend that the Editor solicit ideas from the Associate Editors, Editorial Board, and other members of ASIH for topics for a new feature, “Virtual Issues”. A link to a Virtual Issue on the journal home page will provide a list of articles previously published in *Copeia* on a given topic. The consolidation of knowledge on one topic within *Copeia* will demonstrate that *Copeia* is a valuable resource for information on that topic, which will draw attention to the journal and enhance its reputation and citations (for enhanced impact factor). It can also give a historical perspective on the development of a subject or a field of inquiry, or the legacy of a particular author. Perhaps *Copeia* authors submitting papers and students could be “curators” for construction of virtual issues. Perhaps make these papers Open Access (See BioOne contract?). Several journals are now doing this. Here is a quote from website of the *Journal of Morphology*: “*Virtual issues are online compilations of articles published in JMOR over a period of time and relevant to a specific topic. By compiling virtual issues, we facilitate access to topical papers and highlight topics to the broad audience. Our experience shows that papers in virtual issues receive very high download numbers.*”

The annual **Editor's Report** appears in the BOG book, but it is not read by the general membership (especially younger members) or many BOG members (!!). Thus, there is no information about ongoing improvements to the journal going to the general membership on a regular basis. In the absence of information, members may think that *Copeia* is static. So, in addition to enhancement of the website, we recommend that the Editor compose a periodic (no more than 3x/year) "*Copeia* Updates from the Editor" that will be sent to Membership or incorporated in periodic Society newsletters (as proposed by Past Presidents) and sent out to the ASIH membership detailing improvements in *Copeia*, notable papers, highlights over the past year, announcements of best papers, and any trends of note (e.g., increase in Impact Factor). The timing of the annual email should be discussed so that it has maximum impact. Perhaps send one out in April, when people are thinking about going to the annual meeting where they can talk to the Editor about publication plans.

Journal Mechanics and Costs - The goal is to allow *Copeia* to compete favorably with other journals. Sharing of Reviews among Reviewers for a paper - We recommend that the sharing of reviews (anonymous, perhaps with # days in review) among the reviewers of a particular article be re-instated. Sharing of reviews will teach a lot to young reviewers and will let reviewers know if they were in line with other reviewers ("or out in left field"). In addition, reviewers who know that their peers will see their reviews (albeit anonymously) will enhance accountability that will hopefully result in productive and useful reviews. *The Editor has already agreed to do this.* **Table of Contents** - We recommend that the practice of providing a categorical Table of Contents be continued, on the *Copeia* website (where pagination can be provided) and in the hard copy journal, and that any conflicts with "Online First" be resolved with reference to this. The categorical TOC reminds the readers of the breadth of papers published by the journal, which is critical. *The Editor has agreed to do this online.* **Color Images** - We recommend that the issue of the cost of color images be explored in detail in order to explore "all color free on-line with cost for color in print". This will allow us to compete favorably with other journals that offer one of these options. **Reprints/PDF's** - Hard copy reprints can still be purchased and authors are charged for a pdf of their own published paper (\$100-150 depending on length of paper). We recommend that a pdf (which costs nothing additional to produce, although Allen Press might charge for it) be provided to the first author of each paper free-of-charge, for distribution as needed (just like reprints). **Supplementary files** - We recommend that *Copeia* start offering the option of including supplementary files (on-line) for the publication of large data sets or videos. Does this already exist? Publish these on ASIH (copyright owner) website. **Open Access** - We recommend that the option to publish an article as "Open Access" be explored, with a cost to authors. Fees for all-electronic journals are quite high (e.g., \$2475 in EvoDevo), and a *Copeia* fee under \$1,000 (to be determined by the ASIH Executive Committee) to start is recommended (perhaps with a free pdf to the author, free color on-line cost effective). It is important to keep this cost down given that most authors don't have NIH-size grants, so have no funding. This fee would be comparable to old page charges, which are no longer assessed. Even if just a few authors per year pay for this option, these funds can be used to offset other costs, such as free pdf's for authors, and color images. Open Access publication is now required by NIH and others, and NSF is sure to follow, so we must provide this option to authors that need/will need it. Explore trade-off with reduction in BioOne and JSTOR income stream if an article is Open Access. We recommend that, if allowed by BioOne, make award winning papers "Open Access" and link to home page. We would like to see the BioOne and Allen Press contracts (now in effect through 2016) with ASIH, to better understand what they are doing for

us, are supposed to be doing for us, and what we (via the Editor) can ask them to do for us with respect to improving *Copeia*, its electronic publication, and electronic visibility.

The committee intends to send out a survey (10 questions max) to all members of ASIH to assess their opinions about *Copeia* in order to use member input for future work. This will be done AFTER the Editor sends out his first annual email (which should happen as soon as possible after the 2015 ASIH meeting) to update the membership on what has already been changed over the past few years, and to encourage submission of papers.

Future Work - This committee will review the survey results, work with the Editor to ensure that all recommendations that are approved are carried out, and will work on a plan for more substantive changes to *Copeia* over the next year, for discussion in 2015 and implementation in 2016, in time for the Centenary of the Society.

Respectfully submitted,

Dr. Jacqueline F. Webb, Chair
Ad Hoc Committee on *Copeia*
June 5, 2015

46. Appendix A. Constitution

ASIH CONSTITUTION (revised & ratified 2 August 2014)

Article I: Name

The name of this Society shall be "THE AMERICAN SOCIETY OF ICHTHYOLOGISTS AND HERPETOLOGISTS." The Society is incorporated in the District of Columbia (22 November 1949).

Article II: Object

Section 1. The object of this Society shall be to advance the scientific study of fishes, amphibians, and reptiles.

Section 2. The Society shall be operated as a nonprofit corporation.

Article III: Membership

Section 1. Membership shall be open to persons interested in the object of the Society.

Section 2. The membership of the Society shall consist of the following classes:

a. Active members who pay annual dues in the following categories: Student, Regular, Associate, and Sustaining. In addition, a fifth category, Life Members, pay 25 times (25 x) regular annual dues in one lump sum or four equal consecutive annual payments.

b. Honorary Foreign Members shall be elected by the Board of Governors from among the ichthyologists and herpetologists, located outside of Canada, Mexico, and the United States, who have attained distinction as investigators. The Honorary Foreign Members shall be equally divided between ichthyologists and herpetologists.

Article IV: Officers

Section 1. The officers of the Society shall be: A President, who shall assume the duties of this office for a one-year term immediately following a term as President-Elect. A President-Elect, who shall serve a one-year term; the office shall alternate annually between an ichthyologist and herpetologist; the President-Elect shall be ineligible for another term until two years have elapsed from the end of a term as President. A Treasurer, a Secretary, and an Editor shall be elected annually.

Section 2. The Officers, shall be elected online, 60 days after the Annual Business Meeting by active members of the Society. The slate of nominees shall be furnished by the Nominating Committee to the Board of Governors at their annual meeting. The Board of Governors will approve the slate. Additional nominations may be presented from the floor of the Board of Governors and the Annual Business meetings. All nominations shall be accompanied by a brief statement of qualifications and a written statement of willingness to serve from the nominee. The term of office shall commence on 1 January following the annual meeting at which the officers were elected. In the event of a tie in election for any office, the Executive Committee shall determine the winner.

Section 3. The officers named in Section 1 shall discharge the duties usually assigned to their respective offices (see Bylaws) and shall be members in good-standing during their terms of office.

Section 4. In the event of death or incapacitation of the President during the term of office, the President-Elect will become President. If the position of President-Elect becomes vacant, the person who received the second highest number of votes in the election will become President-Elect. If necessary, the Executive Committee shall make the determination that a President or President-Elect is incapacitated to the extent that required duties of the office are not likely to be performed.

Section 5. A vacancy in either the Editorship, Secretaryship, or Treasurership occurring in the interval between annual meetings of the Society may be filled, until the next election, by Presidential appointment.

Section 6. Executive Committee.

a. The Executive Committee shall consist of the President, President-Elect, Past-President, Prior Past-President, Secretary, Treasurer, Editor, Chair of the Long Range Planning and Policy Committee, and Chair of the Endowment and Finance Committee.

b. Each ASIH President will serve a total of four years on the Executive Committee, as President-Elect, President, Past-President, and prior Past-President, in that sequence.

c. All members of the Executive Committee shall agree in writing to abide by the Conflict of Interest policy each year.

Section 7. Between the annual meetings the business of the Society shall be conducted by the officers, acting within their individual responsibilities, and the Executive Committee, and the Board of Governors if they are called upon to vote on society business.

Article V: Board of Governors

Section 1. At the time of the annual meeting the business of the Society shall be conducted by the Board of Governors. The Board shall include not more than fifty (50) elective members, each elected from among regular, associate, sustaining, and life members for a term of five years. Elective members of the Board shall not be eligible for reelection until the annual meeting following the expiration of their terms. The incumbent officers of the Society shall be members of the Board. Associate Editors will be members of the Board of Governors during their editorship. Former Presidents of the Society shall be members of the Board for life. All meetings of the Board of Governors shall be open to all members of the Society.

Section 2. Ten vacancies in the elective membership of the Board of Governors shall be filled through online election. The election will follow the Annual Business Meeting and will include from nominations provided by the Nominating Committee and/or from the floor of the Board of Governors or Annual Business Meeting. All nominations shall be accompanied by a brief statement of qualifications and a written statement of willingness to serve from the nominee. Five of the elected Governors shall be herpetologists and five shall be ichthyologists. Each member shall vote for a maximum of five candidates in the online election. The term of office shall commence on 1 January following the election after the annual meeting at which the Governor was nominated. An additional vacancy shall occur if the President-Elect is a member of a class. If a governor is elected as an officer, he/she will remain on the Board of Governors until their term is complete.

Section 3. The Board shall conduct business during the period between annual meetings only upon call by the Executive Committee.

Section 4. All members of the board shall be members of the Society and shall agree in writing to abide by the Conflict of Interest Policy each year.

Article VI: Meeting of the Society

Section 1. This Society shall hold an annual meeting. The Annual Business Meeting shall be open to all classes of members for the purposes of hearing a report on the transactions of the Executive Committee, the Board of Governors, and of acting upon such business as may properly be considered by the membership at large.

Section 2. The Meetings Management and Planning Committee shall evaluate annual meeting site proposals recommended by meeting organizer and shall report its recommendation(s) to the Board of Governors.

Section 3. The place of the annual meeting of the Society shall be determined by the Board of Governors. Notice of the meeting shall be communicated to all members of the Society at least three months before the date set for the meeting.

Article VII: Quorum

At the Annual Meeting, one hundred (100) members shall constitute a quorum of the Society and thirty (30) a quorum of the Board of Governors.

If the Board of Governors votes electronically between annual meetings, thirty (30) votes shall constitute a quorum of the Board.

One hundred (100) members shall constitute a quorum of the Society for online elections.

Article VIII: Changes in the Constitution and Bylaws

Section 1. Amendments to this Constitution and Bylaws may be proposed: (a) by majority vote of the Executive Committee, or (b) by written and signed petition from at least twenty-five (25) members in good standing of ASIH.

Section 2. Proposed amendments must be circulated to all members at least three (3) months prior to the scheduled Annual Meeting of the Society.

Section 3. Proposed amendments of this Constitution and Bylaws may be adopted at any meeting of the Society if approved by two-thirds of the members of the Board of Governors voting and two-thirds of the members voting at the annual general meeting.

Section 4. Dissolution of the society shall require two-thirds assent from members of the Board of Governors voting and ratification by ballot of two-thirds of the membership voting in response.

Section 5. In case of the dissolution of the Society, its assets shall be transferred to a successor non-profit society organized for educational, professional, or scientific purposes, or if no successor society is designated by the members of this Society, then the assets shall be transferred to some other non-profit organization of like character as determined by a vote of the membership of the society.

BYLAWS

Article I: Dues

Section 1. Annual dues shall be payable 1 January, in advance. Upon payment of arrearage, plus a late fee calculated as 10% of the annual dues, the former member shall be reinstated.

Section 2. A service charge to recover actual costs may be billed subscribers requiring special billing procedures.

Section 3. The schedule of dues will be estimated by the Treasurer, proposed by the Executive Committee, and approved by the Board of Governors to meet the financial needs of the society.

Article II: President

Section 1. The President shall preside at sessions of the Board of Governors and at the Annual Business Meeting.

Section 2. The President shall also appoint the committees prescribed by the ASIH Policies and Procedures Manual, and such other representatives or committees as may prove necessary. The President and President-Elect shall be members of all committees.

Section 3. The President shall be reimbursed out of the monies of the Society for expenses incurred in attending the meeting of the Society that he/she presides over.

Article III: Secretary

Section 1. The Secretary shall keep the records of the Society and report at the annual meeting.

Section 2. The Secretary shall be responsible for sending out notices announcing the annual meeting and for arranging the agenda for the Executive Committee, Board of Governors, and Annual Business meetings held during the annual meeting. The Secretary shall ensure that financial documents are posted on the Society website.

Section 3. The Secretary shall be reimbursed out of the monies of the Society for expenses incurred in attending meetings of the Society.

Section 4. The Secretary shall make such purchases and employ such assistance as is necessary to conduct the business of the Society. All such expenditures will be reported to and are subject to review and ratification by the Board of Governors.

Section 5. Unless other appointments are made by the President, the Secretary shall act as a delegate or representative of the Society at meetings of related societies covering matters of mutual interest.

Section 6. Any copyright requests or copyright-related issues and the associated records-keeping shall be handled by the Secretary in consultation with the Editor.

Section 7. Publications storage.

a. The Secretary shall be charged with the responsibility of ensuring safe storage, sale, and other disposal of back numbers of COPEIA and other Society publications.

b. The Secretary may employ such assistance including outside contractual assistance as may be necessary to discharge these functions.

c. The Secretary will report annually to the Board of Governors on the status and disposal of inventoried items.

Article IV: Treasurer

Section 1. The Treasurer shall be in charge of the funds and securities of the Society.

Section 2. The Treasurer shall arrange for an independent annual professional audit of the financial records of the society, shall prepare the IRS form 990, and shall inform the Secretary of the auditor selection.

Section 3. At the annual meetings of the Society, the Treasurer shall present a statement of the funds and monies of the Society, the statement to cover the calendar year.

Section 4. The Treasurer shall file form 990, Return of Organization Exempt from Income Tax, with the Internal Revenue Service annually.

Section 5. The Treasurer shall be reimbursed out of the monies of the Society for expenses incurred in attending meetings of the Society.

Article V. Editor and Associate Editors

Section 1. Editor

a. The Editor shall serve as the Chief Executive Officer for the journal COPEIA, and shall serve as the Chair of the Publications Policy Committee. The Editor shall bear the final responsibility and authority for all materials published in COPEIA.

b. In the processing of manuscripts submitted for publication in COPEIA, the Editor shall allocate manuscript workload among the Associate Editors, and shall receive their recommendations on manuscripts that have cleared the review process.

c. The Editor shall report through the ASIH Executive Committee to the Board of Governors, and shall seek Executive Committee and Board of Governor approval for any substantive change in ASIH publishing product or practice, especially where new or unanticipated expenditures of ASIH funds are involved.

d. In situations that may arise between annual meetings, the Editor (upon consultation with and approval by the Executive Committee) may appoint a substitute (or co-participant) for a given editorial office.

e. The Editor may employ such assistance as is necessary for the production of COPEIA.

f. The Editor's annual dues to the Society, and transportation and lodging at the Annual Meeting shall be reimbursed by the Society.

Section 2. Associate Editors

a. The divisional sections of COPEIA shall be General Herpetology; General Ichthyology; Ecology and Ethology; Physiology and Physiological Ecology; and Genetics, Development, and Morphology. Associate Editors shall select reviewers and solicit manuscript reviews, and shall make recommendations regarding acceptability for publication in COPEIA to the Editor.

b. Two Book Review Associate Editors shall promote the announcement and critical review of important new works in Herpetology and Ichthyology, respectively.

c. An Index Associate Editor or Editors shall be responsible for production of the annual index to COPEIA. The Index Editor(s) shall archive materials for periodic multi-year indices to be prepared as deemed necessary.

d. Associate Editors shall be elected online annually by Society members after the Annual Business Meeting and shall serve on the Board of Governors throughout their terms; all Associate Editors shall be members of the Society.

e. The Associate Editors shall meet with the Editor as the Publications Policy Committee at each Annual Meeting.

f. Associate Editors shall have their annual dues to the Society and their registration for the Annual Meeting reimbursed by the Society.

Article VI: Editorial Board

An Editorial Board representing the five divisional disciplines of COPEIA, shall be nominated annually by the Associate Editors for service in that disciplinary area, and appointed by the President in consultation with the Editor.

Article VII: Meetings

Section 1. The Chair of the Local Committee shall be appointed by the President in consultation with the chairs of the Meetings Management and Planning Committee, if possible, at least six months before the time of the meeting.

Section 2. The Chair of the Local Committee will work with the chair of the Meetings Management and Planning Committee, as well as hired conference planners, to make all local arrangements including the arrangements for printing the program, if necessary.

Article VIII. Committees

Section 1. Committees of the American Society of Ichthyologists and Herpetologists are categorized as Standing Committees, Continuing Committees, Recurring Committees and Special Purpose Committees. These Committees and their functions are described in the Policies and Procedures Manual.

Article IX: Nominating Committee

Section 1. The Nominating Committee shall consist of five members; three in the discipline of the President-Elect to be elected, and two in the alternate discipline. Five ASIH members in good standing shall comprise the Nominating Committee and serve meeting-to-meeting: (a) One of the two members of the outgoing Nominating Committee who is in the discipline of the President-Elect to be elected. This person shall be elected and serve as chair of the new committee. (b) The immediate Past-President of the Society. This position shall be filled automatically. (c) One person in the discipline of the President-Elect to be elected, chosen from at least two persons nominated by the Board of Governors. (d) Two persons in the alternate discipline chosen from at least four persons nominated.

Section 2. If only one of the two persons from the outgoing Nominating Committee is available for election as chair of the new committee, this person shall receive the chairship automatically. If neither person from the outgoing Nominating Committee is available for election as chair, the Past-President shall assume the chairship and the President shall nominate two additional persons in the appropriate discipline. If the Board of Governors fails to nominate the number of persons listed above for positions 1(c) and 1(d), the President shall provide the balance of the nominations.

Section 3. The online election of the Nominating Committee by the Society membership shall occur within sixty (60) days of the Annual Business Meeting of the Society. All nominees, including additional nominations from the floor at the business meeting for positions 1(c) and 1(d), must provide a written agreement to serve on the committee, which would include the possibility of a second year of service as chair.

Article X: Long Range Planning and Policy Committee

Section 1. The Chair of the Long Range Planning and Policy Committee shall be appointed by the President in consultation with the Executive Committee and others. The Chair shall serve for a period of three years and may be reappointed. Six other members shall be

similarly appointed and the expiration dates of the terms of their service shall be staggered in order to provide continuity. Tenure of appointment shall be on a calendar year basis.

Section 2. The Committee shall identify desirable Society policies and activities and shall advise the Board of Governors and Membership on the best way to carry out and fund Society activities.

Section 3. The Committee is responsible for the development and updating, to reflect current practice, of the ASIH Procedures Manual, and from time to time make suggestions for improvements and best response to available technologies and opportunities.

Section 4. The Committee shall maintain close liaison with the Endowment and Finance Committee. The Committee Chairs shall serve as consulting (nonvoting) members of the corresponding Committee and shall keep each Committee informed, as appropriate, of mutually relevant activities.

Article XI: Endowment and Finance Committee

Section 1. The Endowment and Finance Committee shall be appointed by the President in consultation with the Executive Committee and shall consist of five members, including the Chair. To provide continuity, members of the Committee shall have staggered, five-year terms. One member should be someone with experience in investing and money management. Tenure of appointment shall be on a calendar year basis.

Section 2. The Chair-Elect of the Endowment and Finance Committee shall be appointed by the President. The Chair-Elect shall succeed the Chair, each of whom will serve two years in their respective positions. The Chair may be reappointed as Chair-Elect. The Chair and the Chair-Elect will work closely together in planning and organizing the activities of the Endowment and Finance Committee.

Section 3. The Committee shall be in charge of fundraising for the endowment.

Section 4. The Committee shall advise the Society on all matters pertaining to the General Endowment Fund and the Life Membership Fund.

Section 5. The Committee shall maintain close liaison with the Treasurer and other members of the Executive Committee and shall advise officials of the Society in the management of all funds and moneys of the Society.

Section 6. The Committee shall be responsible for investment of the endowment and other Society funds. A recommendation for placement of funds with a professional money manager must be approved by the Board of Governors. The Committee shall advise the Board of Governors on managed funds and shall monitor the activities of outside professional money managers.

Section 7. The Committee shall maintain close liaison with the Long Range Planning and Policy Committee. The Committee Chairs shall serve as consulting (nonvoting) members of the corresponding Committee and shall keep each Committee informed, as appropriate, of mutually relevant activities.

Article XII: Funds

Section 1. Society Funds and income derived therefrom shall be used only for tax-exempt purposes.

Section 2. Funds of the Society shall be as follows:

a. The Frederick H. Stoye Fund shall be invested and used to offer awards for meritorious papers presented by student members at the Annual Meeting. The awards shall be

known as the Frederick H. Stoye Awards. The basis for award decisions shall be determined by a Student Awards Committee. The Student Awards Committee shall be appointed by the President-elect for service prior to the Annual Meeting.

b. The Tracy Storer Fund shall be invested and used to offer awards to students judged to have prepared the best posters in ichthyology and herpetology at the Annual Meeting. The awards will be known as the Tracy Storer Awards. The basis for award decisions shall be determined by a Student Awards Committee. The Student Awards Committee shall be appointed by the President-elect for service prior to the Annual Meeting.

c. The Robert H. Gibbs, Jr. Memorial Fund shall be invested and used to award a yearly prize based on an outstanding published body of work in systematic ichthyology by a citizen of a Western Hemisphere nation who has not been a previous recipient of the award. The basis for an award decision shall be determined by a Robert H. Gibbs, Jr., Memorial Fund Award Committee. The Robert H. Gibbs, Jr., Memorial Fund Award Committee shall consist of three ichthyologists, each serving a three-year term. Each year one member is replaced by an individual elected by the Board of Governors from nominees submitted by the Nominating Committee or nominated from the floor. The senior member of the Committee serves as its Chair.

d. The Edward C. and Charlotte E. Raney Fund shall be invested and used to provide support for young ichthyologists in such a way as to enhance their professional careers and their contributions to the science of ichthyology. The basis for award decisions shall be determined by an Edward C. and Charlotte E. Raney Fund Award Committee. A member of the Edward C. and Charlotte E. Raney Fund Award Committee shall be appointed by the President for a three-year term of service. The senior member of the Committee serves as its Chair.

e. The Helen T. and Frederick M. Gaige Fund shall be invested and used to provide support for young herpetologists in such a way as to enhance their professional careers and their contributions to the science of herpetology. The basis for award decisions shall be determined by a Helen T. and Frederick M. Gaige Fund Award Committee. A member of the Helen T. and Frederick M. Gaige Fund Committee shall be appointed by the President for a three year term of service. The senior member of the Committee serves as its Chair.

f. The Life Membership Fund shall consist of dues received from Life Members. The interest from this Fund shall be added to the principal. When this Fund exceeds by \$1000 or more the sum computed as adequate to pay costs of fulfilling Society obligations to Life Members, the excess shall be transferred to the General Endowment Fund. An amount equal to the annual dues of the new program Life Members shall be transferred to the Society's general operating funds annually.

g. The General Endowment Fund shall be an unrestricted fund to receive money from a variety of sources. Major and minor donations to the Society without any restrictions will be placed in the principal of this Fund. A percentage of the net asset value may be dispersed by the Board of Governors for specified activities of the Society based on recommendations of the Executive Committee.

h. The Henry S. Fitch Fund shall be invested and used to support an annual award for Excellence in Herpetology. The basis for award decisions shall be determined by the Henry S. Fitch Fund Award Committee. The Henry S. Fitch Fund Award Committee shall consist of three herpetologists each serving a three-year term. Each year, the senior-most member serves as chair of the committee. After three years of service, the chair is replaced by an individual elected by the Board of Governors from a slate of nominees submitted by the Nominating Committee or

nominated from the floor. Those nominated from the floor must provide a signed, written statement of their willingness to stand for election and serve if elected. The members of the committee shall be members of the Society.

Section 3. All money, stocks, bonds, or other property offered to the Society for purposes other than application to the publication expenses or other operating expenses of the Society can be accepted only by a majority of the Board of Governors, except that the acceptance of any such funds donated for use by any duly constituted activity of the Society, including the General Endowment Fund, can be approved by the Executive Committee. Acceptance of such money, stocks, bonds, or other property by the Board of Governors shall be only with the establishment by the Board of procedures to implement its use. All proposed funds shall be accompanied by a proffered gift or proposed funding source.

Section 4. The American Society of Ichthyologists and Herpetologists may formally recognize major donors to the General Endowment Fund. Four levels of major donors are: Supporter, \$1000--2999; Sponsor, \$3000--9999; Patron, \$10,000--24,999; Benefactor, \$25,000 or higher. No benefits will be provided to donors.

Article XIII. Robert K. Johnson Award

The basis for the annual Robert K. Johnson Award for Excellence in Service shall be determined by the Robert K. Johnson Award Committee. The Robert K. Johnson Award Committee shall consist of three members each serving three years. The award is given to an ichthyologist in even years and to a herpetologist in odd years. In even years, the committee is made up of two ichthyologists and one herpetologist. In odd years, the committee is made up of two herpetologist and one ichthyologist. Each year, the senior-most member serves as chair of the committee. The chair of the committee is replaced by an election of the Board of Governors from a slate of nominees submitted by the Nominating Committee, or nominated from the floor. Those nominated from the floor must provide a signed, written statement of their willingness to stand for election and serve if elected. The members of the committee shall be members of the Society.

Article XIV. Joseph S. Nelson Award

The basis for the annual Joseph S. Nelson Lifetime Achievement Award in Ichthyology shall be determined by the Joseph S. Nelson Award Committee. The Joseph S. Nelson Award Committee shall consist of three ichthyologists each serving a three-year term. Each year, the senior-most member serves as chair of the committee. After three years of service, the chair is replaced by an individual elected by the Board of Governors from a slate of nominees submitted by the Nominating Committee or nominated from the floor. Those nominated from the floor must provide a signed, written statement of their willingness to stand for election and serve if elected. The members of the committee shall be members of the Society.

Article XV: Honorary Foreign Members

The number of Honorary Foreign Members shall not exceed thirty (30).

Article XVI: Society Sets of COPEIA

The official bound set of COPEIA shall be maintained in the office of the Secretary.

Article XVII: Committees

Such committees as the President shall deem necessary shall be appointed by the President or by the presiding officer at the annual meeting, unless the composition and function of committees be otherwise set forth in the Constitution and Bylaws or in motions passed by the Board of Governors or by the membership at large at the annual meeting. Unless otherwise specified, committees shall serve for a calendar year and shall normally be appointed by the President during or following the previous annual meeting.

Article XVIII: Procedures

The procedures and policies used to govern the Society are detailed in the Policies and Procedures Manual posted on the ASIH website. Procedures and other items, not specified in that Manual, the Constitution or Bylaws of this Society, or by action at the annual meeting shall be in accordance with Robert's Rules of Order.

47. Appendix B. Treasurer's Tables

Table 1. ASIH profit & loss (accrual basis) for 2013 and 2014.

Table 2. ASIH membership and subscription numbers for current and past years.

Table 3. ASIH year-end balance sheets for 2013 and 2014.

Table 4. ASIH accounts and their allocation to ASIH funds as of December 2014 statements.

Table 5. Portfolio detail of the ASIH Wells Fargo Advisors Custom Choice Account on 31 December 2014.

Table 1. ASIH profit and loss on an accrual basis for 1 January to 31 December 2014 with comparison to 2013

	Jan - Dec 14	Jan - Dec 13
	unaudited	audited
Income		
Donations		
Fitch Award Fund	85	60
Gaige Award Fund	255	260
Gen Endow. Fund	805	858
General Operating Fund	0	25
Gibbs Award Fund	10	35
Raney Award Fund	295	60
Storer Award Fund	45	1,045
Stoye Award Fund	245	95
Clark Hubbs Student Travel Award Fund	4,476	3,596
Total Donations	6,216	6,034
Other and Royalties	216	388
Program Services		
Joint annual meeting: advances/refunds for costs	53,951	39,064
Memberships & Subscriptions		
Life membership xfer for current dues	2,500	0
Annual Membership	109,575	113,490
Memberships - Other	370	0
Subscriptions	66,055	65,175
Rental of Mailing List	2,325	1,486
Total Membership & Subscriptions	180,825	180,151
Publications		

Special Publications sales	1,397	1,989	
BioOne	49,516	52,164	
EBSCO	0	200	
JSTOR	10,600	10,353	
Total: Publications		63,704	65,439
Dividends		19,467	17,685
Interest		70	121
Long term capital gains distributions		36,583	10,365
Short term capital gains distributions		10,702	0
Unrealized gains/losses		-13,473	34,944
Total: Income	358,260	354,191	
Expenses			
Expense			
Progrm Services			
Total: Awards		-25,886	-24,949
Annual Meeting			
Abstract submission	-1,000	-1,000	
Planning and Management	-8,871	0	
Payments to JMIH societies	-24,782	-13,201	
ASIH President Reimbursement	-2,063	0	
Other Costs (deposits, symposia, etc.)	-3,303	-4,145	
Total: Annual Meeting		-40,020	-18,346
Donation to AIBS		-3000	0
Publications			
AllenTrack	-5,703	-3,012	
Editorial Offices	-32,283	-32,606	
Copeia printing	-67,260	-70,946	

Copeia online	-11,044	-14,199	
Total: Publications	-116,290		-120,763
Program Services - Other	-801		0
Total Program Services	-185,997	-164,057	
Supporting Services			
Managemnt & Gen .Op.			
Allen Press Business Office	-43,023		-41,268
Secretary's Office	-24,363		-38,657
Treasurer's Office	-68		-1,855
Total Web site	-1,306		-6,674
Dues & Subscript	-4,519		-6,240
Annual Audit and IRS Form 990 preparation	-8,500		-9,080
Bank charges and fees	-4,771		-3,769
Total Supporting Services	-86,551	-107,531	
Total Expense	-272,548	-271,599	
Net Income	85,712	82,673	

Table 2. ASIH membership and subscription numbers for past years and income from online sources for Copeia.

Memberships												
Description	Rate	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Second member in family	1YR	64	43	40	45	38	36	29	32	34	34	
Foreign Honorary Member Print&Online	1YR	26	25	25	27	28	30	30	30	32	33	
Life Membership - Old Program Copeia donated	1YR	1	1	2	2	2	2	2	1		1	
Life Member Print & online - 1st payment	1YR1	4	1	1						1		
Life Member Print & online - 2nd payment	1YR2	3	4	1	1		1					
Life Member Print & online - 3rd payment	1YR3	1	3	4	1	1						
Life Member Print & online - 4th payment	1YR4	3	2	3	5	1	1					
Life Member Print & Online - New Program	LIFETIME NEW	54	58	60	64	68	71	72	68	71	70	
Life Member Print&Online	OLDPROGRAM	135	130	128	126	118	116	113	108	104	101	
Life Member Online Only	LIFETIME						2	2	2	1	1	
Life Member Online Only	OLDPROGRAM									4	5	
Post Doc / Temp Job Print & Online	1YR										3	
Post Doc / Temp Job Online	1YR									1	19	
Regular Member Print & Online	1YR	1542	1407	1345	1091	857	798	700	622	589	507	
Regular Member Online Only	1YR	89	107	118	366	479	472	433	410	456	392	
Staff Membership	1YR								1	2	1	
Student Member Print & Online	1YR	613	613	637	221	152	118	98	74	57	47	
Student Member Online Only	1YR				8	295	326	318	272	327	323	

Table 2. Continued

Sustaining Member Print&Online		1YR	28	30	26	20	20	15	16	15	12	12
Sustaining Member Online Only		1YR				3	4	3	2	4	7	9
	Member Subscriptions:		2563	2424	2390	1980	2063	1991	1815	1639	1698	1558
Subscriptions												
Complementary Subscriptions			9	9	8	9	9	7	7	7	7	6
Institutional Subscriptions - print and online			826	758	689	574	618	417	345	279	237	201
Institutional Subscription - online only						61	44	73	91	97	110	113
	Subscription total:		835	767	697	644	671	497	443	383	354	320
	Overall Journal Total:		3398	3191	3087	2624	2734	2488	2258	2022	2052	1878
Income from online sources of Copeia (includes accounts receivable)												
BioOne revenue share and article sales			\$ 25,671	\$ 26,377	\$ 38,898	\$ 40,221	\$ 48,854	\$ 49,528	\$ 50,999	\$ 49,403	\$ 52,164	\$ 49,516
	Subscription equivalents (current online subscription rate)		160	165	243	251	305	310	319	309	326	309
EBSCO											\$ 200	0
JSTOR revenue share and article sales			\$ 3,688	\$ 5,056	\$ 7,272	\$ 7,187	\$ 8,057	\$ 9,485	\$ 10,103	\$ 10,320	\$ 10,353	\$ 10,600

Table 3. 2014 yearend balance sheet (accrual basis) with comparison to previous year.

	Dec 31, 14 (unaudited)	Dec 31, 13 (audited)
ASSETS		
Current Assets		
Checking/Savings		
Adjusting Journal Entries	-34.00	0.00
US Bank	106,331.38	115,975.24
WFA CAP checking	215,219.71	-36,564.23
Total Checking/Savings	321,517.09	79,411.01
Accounts Receivable		
Accounts Receivable	61,435.55	84,478.65
Total Accounts Receivable	61,435.55	84,478.65
Total Current Assets	382,952.64	163,889.66
Other Assets		
Annual Meeting Deposits	17,425.00	17,425.00
Prepaid Expenses	1,000.00	0.00
WFA Command Asset Prog Acct	363,126.97	525,841.82
WFA Managed Investment Acct	812,062.94	758,860.11
Total Other Assets	1,193,614.91	1,302,126.93
TOTAL ASSETS	1,576,567.55	1,466,016.59
LIABILITIES & EQUITY		
Liabilities		
Current Liabilities		
Accounts Payable		
*Accounts Payable	40,030.28	40,221.46
Total Accounts Payable	40,030.28	40,221.46
Other Current Liabilities		
Deferred Income--Life Memberships	42,827.28	42,367.28
Deferred Revenue--Memberships	47,600.00	41,365.00
Deferred Revenue--Subscriptions	28,695.00	10,360.00
Total Other Current Liabilities	119,122.28	94,092.28
Total Current Liabilities	159,152.56	134,313.74
Total Liabilities	159,152.56	134,313.74

Equity		
*Retained Earnings	839,887.48	757,214.50
Opening Balance Equity	491,815.37	491,815.37
Net Income	85,712.14	82,672.98
Total Equity	1,417,414.99	1,331,702.85
TOTAL LIABILITIES & EQUITY	1,576,567.55	1,466,016.59

Table 4. ASIH accounts and their allocation to ASIH Funds as of 31 December 2014

ASIH Funds	Cash and Cash Equivalents		Investments	Total
	US Bank	Wells Fargo Advisors	Wells Fargo Advisors	
General Operating	\$107,619	\$159,740	\$400,826	\$668,186
Annual Meeting		\$31,948	\$80,165	\$112,113
Student Travel	\$0	\$5,804	\$14,565	\$20,369
Gibbs	\$0	\$34,092	\$85,546	\$119,638
General				
Endowment	\$0	\$65,585	\$164,568	\$230,153
Stoye	\$0	\$23,017	\$57,754	\$80,771
Life Membership	\$0	\$21,842	\$54,807	\$76,649
Raney	\$0	\$23,069	\$57,885	\$80,953
Gaige	\$0	\$18,361	\$46,073	\$64,434
Storer	\$0	\$7,930	\$19,897	\$27,827
Fitch	\$0	\$7,962	\$19,980	\$27,942
Total	\$107,619	\$399,351	\$1,002,066	\$1,509,036

Table 5. Portfolio detail of the Wells Fargo Advisors Managed Account (Fund Source Moderate Growth) on 31 Dec 2014.

Equity Investments		Initial Purchase Date	Shares	Cost	Unrealized Gains/(Loss)	Market Value 31 Dec 2014
Large Cap Equity						
	<i>Large Cap Growth</i>					
	Am Cent Growth Fund	10/13/2011	1,790.592000	\$49,422	\$2,773	\$52,196
	Dreyfus Appreciation Fund	10/13/2011	1,123.403000	\$49,638	\$10,924	\$60,563
	Wells Fargo Advantage Endeavor Select Fund	10/13/2011	2,300.573000	\$25,492	\$5,566	\$31,058
	<i>Large Cap Value</i>					
	Dodge & Cox Stock Fund	10/13/2011	339.974000	\$41,926	\$19,589	\$61,515
	JP Morgan Intrepid Value Plus Fund	10/13/2011	1747.378000	\$46,912	\$16,098	\$63,010
Mid Cap Equity						
	<i>Mid Cap Growth</i>					
	Alger Sm Cap and Mid Cap Growth	10/13/2011	1803.076000	\$29,125	\$1,870	\$30,995
	<i>Mid Cap Blend</i>					
	RS Invt Tr Value Fund	10/13/2011	949.048000	\$25,347	\$6,189	\$31,537
Small Cap Equity						
	<i>Small Cap Growth</i>					
	Pioneer OAD Ridge Sm Cap Growth Fund	10/13/2011	539.388000	\$16,920	\$4,116	\$21,036
	<i>Small Cap Value</i>					
	Heartland Value Plus Fund	10/13/2011	956.864000	\$28,864	\$1,344	\$30,208
International						
	Europacific Growth Fund	9/4/2012	626.493000	\$25,436	\$4,022	\$29,458

Multi-class

Thornburg Invt Income Builder Fund	10/13/2011	3756.027000	\$72,393	\$6,521	\$78,914
------------------------------------	------------	-------------	----------	---------	----------

Fixed Income Investments

Intermediate Fixed Income

Artio Global Total Return Bond Fund	10/13/2011	5,354.861000	\$73,005	(\$1,751)	\$71,166
Fidelity Advisr Services Strategic Income	10/03/2014	3,233.935000	\$40,213	(\$1,115)	\$39,098
Goldman Sachs Strategic Income	9/12/2013	3,821.999000	\$40,130	(\$839)	\$39,290
Managers Funds Bond Fund	10/13/2011	2,487.590000	\$67,323	\$2,005	\$69,329
Metropolitan West Total Return Bond Fund	10/13/2011	8,228.533000	\$87,155	\$2,536	\$89,691
Oppenheimer Senior Floating Rate Fund	9/12/2013	2,440.292000	\$20,367	(\$625)	\$19,742
Pimco Pacific Invt Total Return Fund	10/13/2011	5,567.665000	\$59,902	(\$383)	\$59,518

International/Emerging Markets Debt

International Fixed Income

Oppenheimer Intl Bond Fund	10/13/2011	8,316.773000	\$52,379	(\$3,226)	\$49,152
----------------------------	------------	--------------	----------	-----------	----------

Emerging Markets Debt

Mfs Ser Tr Emerging Markets Debt Fund	10/13/2011	2,006.147000	\$31,026	(\$1,917)	\$29,109
Wells Fargo FDS Trust Emerging Market Equity Fund	9/12/2013	1,822.739000	\$40,352	(\$2,584)	\$37,767

Other Holdings

Cash & Cash Equivalents

Goldman Sachs Tr Finl Sq Treas Instrs Fund	9/2/2014	7,528.330000	\$7,528	\$0	\$7,528
--	----------	--------------	---------	-----	---------

Commodities

Pimco Pacific Invt Commodity Real Return Strat Fund	10/13/2011	3,798.226000	\$24,695	(\$7,679)	\$17,016
---	------------	--------------	----------	-----------	----------

REITS and MLPs

	Cohen & Steers Realty Shares	10/13/2011	298.937000	\$18,076	\$4,900	\$22,976
Total				<u>\$992,356</u>	<u>\$68,638</u>	<u>\$1,060,907</u>

48. Appendix C. Candidate Information for 2015 Elections

SLATE OF CANDIDATES FOR THE GENERAL ELECTION THAT WILL BE HELD AFTER THE 2015 MEETING VIA ONLINE VOTING.

PRESIDENT - ELECT

Baldwin, Carole C. Curator of Fishes, National Museum of Natural History, Smithsonian Institution, Washington DC 20560. Email: baldwinc@si.edu

Research Interests: Systematic ichthyology, especially ontogeny, diversity, and evolutionary history of tropical marine fishes. Ongoing projects include (1) leading the Smithsonian's Deep Reef Observation Project (DROP), an effort to explore the diversity and evolution of the Caribbean deep-reef fauna and monitor biological and environmental changes on a shallow-to-deep reef profile; and (2) integrating molecular and morphological data in taxonomic and phylogenetic studies of Caribbean shorefishes.

Service to ASIH. I have served as a Stoye Award judge, manuscript and book reviewer for *Copeia*, mentor for the graduate student program, and ASIH representative to BioOne. I have served on the editorial staff of *Copeia*, the Board of Governors, and the Nominating and Gibbs Award Committees.

Why I want to serve as ASIH President: I attended my first ASIH meetings in 1982, nervously gave my first scientific talk in Tallahassee in 1983, and subsequently have published in *Copeia* and contributed dozens of oral and poster presentations at various meetings. I grew up professionally within the folds of the society, and it would be hard to overstate the positive role that ASIH has played in my career. It is not just a professional society with a worthy mission, it is an embodiment of the zeal with which we conduct our work. It would be the highest honor to serve ASIH as President. I have never met a group of people more openly passionate about natural history as ASIH members. My agenda is short but important: maintain the intellectual integrity of this professional society as well as the collegial spirit and educational experiences it offers future generations of naturalists.

Wainwright, Peter C. Department of Ecology and Evolution, University of California at Davis. Email: pcwainwright@ucdavis.edu

Research Interests: Functional morphology, evolution, and ecology of fishes.

Service to ASIH: Board of Governors: 2007–2012; Stoye Award judge 1991, 1992, 1995, 1997, 2002; Committee on Graduate Student Participation, 1987–1989; numerous manuscript reviews for *Copeia*.

Goals as ASIH President: My top priority as ASIH president will be to further develop and strengthen our support mechanisms for young ichthyologists and herpetologists. The future of our discipline and our society lies in the young people who attend our annual meetings, join our society, and generally make ASIH one of their key professional networks. We should continue to expand our efforts in financial support for students attending our annual meetings and consider more broadly ways to build the community of students who attend our meetings. I would also like to explore the prospects for a program that offers small grants in aid of research for students. My second priority is the success of our journal, *Copeia*. I will continue existing efforts to study

the workings of the journal with an eye toward making it ever more attractive to authors doing excellent research in our discipline.

SECRETARY

Chakrabarty, Prosanta. Associate Professor/Curator of Fishes, Museum of Natural Science, Department of Biological Sciences, Louisiana State University, Baton Rouge, LA 70803. Email: prosanta@lsu.edu

Research Interests: Evolution, biogeography, and systematics of marine and freshwater fishes with an emphasis on Middle America and the Indo-West Pacific.

Service to ASIH: Associate Editor (Book Reviews) and Editorial Board member for *Copeia*, 2009–present; Stoye award judge (two times); Education and Human Resources Committee, 2014–present; Best Paper in Ichthyology Awards Committee, 2013–2014.

NOMINATING COMMITTEE CHAIR

Doan, Tiffany M. Visiting Assistant Professor, Department of Biology, University of Central Florida, 4000 Central Florida Blvd, Orlando, FL 32816. Email: tiffperu@yahoo.com

Research Interests: Evolutionary biology of reptiles and amphibians; taxonomy; biogeography; ecology of South American herpetofauna.

ASIH Service: Society Member since 1993; Board of Governors, 2006–2011; Chairing Judge, General Herpetology Storer Awards, 2008 and 2009 Joint Meetings; Chairing Judge, Herpetology Ecology and Ethology Stoye Award, 2007 Joint Meetings; Session Moderator, 2004, 2006, 2007, and 2009 Joint Meetings; Panelist, Law and Order in Herpetology: Permits and Regulations for Importation and Exportation, Student Workshop, 2011; Honorary Foreign Member Nominating Committee, 2008; Nominating Committee, 2014–2015. Other service: Current Co-Editor, *Journal of Herpetology*.

NOMINATING COMMITTEE – HERPETOLOGY

Anthonsamy, Whitney J. B. University of Arkansas, Department of Biological Sciences, Fayetteville, Arkansas 72701. Email: wjba@uark.edu

Research Interests: My research focuses on understanding the persistence of species in anthropogenically disturbed landscapes with the application of these data in conservation planning. My work encompasses a variety of taxa including reptiles and fish. Specific projects include ecology and population genetics of freshwater turtles within the Midwest (Emydidae and Chelydridae), genetic evaluation of the Eastern Massasauga Rattlesnake (*Sistrurus catenatus*) in Illinois, phylogeography of Whiptail Lizards (*Aspidoscelis* sp.), reproductive success in Side Blotched Lizards (*Uta stansburiana*), identification of evolutionary lineages and management units of Bluehead Sucker (*Catostomus discobolus*), and connectivity of Roundtail Chub (*Gila robusta*) in the Upper Colorado River Basin.

Service to ASIH: Storer Award Judge Chair, 2013; Moderator for Stoye Award sessions, 2013–2014; ASIH student/professional speed-networking workshop co-organizer, 2012–2014.

Howey, Christopher A. F. 208 Mueller Laboratory, Department of Biology, Penn State University, University Park, PA 16802. Email: cah62@psu.edu

Research Interests: Ecology and physiology of reptiles and amphibians with a focus on how animals respond to disturbance within their habitat. Ongoing projects include determining the effects of prescribed fire on timber rattlesnake behavior, habitat use, and thermoregulation; determining the effect of gestation site choice on timber rattlesnake thermoregulation, predation, and gestation longevity; and determining the effect of prescribed fire on vernal pool amphibians.
Service to ASIH: Book Raffle Coordinator, 2012.

NOMINATING COMMITTEE – ICHTHYOLOGY

Cashner, Mollie F. Department of Biology, Austin Peay State University, Clarksville, TN 37044. cashnerm@apsu.edu

Research Interests: Evolution of reproductive behavior in fishes, population genetics and phylogenetics, reproductive ecology

Service to ASIH: Board of Governors 2011-2016; President's *Ad Hoc* Membership Committee (2014-2015); Education & Human Resources Committee (2009-2014); Stoye Award Judge (2014); Co-Chair ASIH Student Awards Committee (2013); Ichthyology Information Coordinator (2001-2009).

McMahan, Caleb. Collection Manager of Fishes. Field Museum of Natural History, Chicago IL 60605. cmcmahan@fieldmuseum.org

Research Interests: Systematics, taxonomy, and biogeography of Neotropical fishes

Service to ASIH: Graduate student workshop subcommittee chair (2008-2009), chair-elect and chair of Graduate Student Committee (2009-2011), Long Range Planning and Policy Committee student rep (2011-2013), ad hoc committee on *Copeia* (2012-present), Reviewer for *Copeia*.

Vari, Richard P. Division of Fishes, National Museum of Natural History, Smithsonian Institution, Washington DC 20560. Email: varir@si.edu

Research Interests: Systematics and phylogeny of fishes of the orders Characiformes, Siluriformes, and Gymnotiformes with a focus on South America and sub-Saharan Africa. Ongoing projects include revisionary and phylogenetic studies within the families Apterontidae and Gymnotidae (Gymnotiformes); studies of higher level phylogenetic relationships within the Characiformes; revisionary studies of the genera *Nannocharax* and *Hemigrammocharax* (Characiformes), projects on some genera of African siluriforms and South American Characiformes and studies of the adductor mandibulae system in Teleosts.

Service to ASIH: Board of Governors (1980–1985); Stoye Award judge; reviewer for *Copeia*; Editorial Board of *Copeia* (2000–present); Nominating Committee (2009–2011); Chair of Nominating Committee (2010–2011); Gibbs Award Committee (2012–present); Chair of Gibbs Award Committee.

BOARD OF GOVERNORS - HERPETOLOGY

Agugliaro, Joseph. Department of Biological and Allied Health Sciences Fairleigh Dickinson University, Florham Campus, Madison, NJ 07940. E-mail: jaguglia@fdu.edu

Research Interests: Energy, water, and thermal relations of reptiles and amphibians; Physiological ecology of hibernation in rattlesnakes; Metabolic rate depression in reptiles and

aestivating anurans; Effects of thermal acclimation on ectotherm performance
Service to ASIH: Storer Herpetology Award judge (2013)

Anthony, Carl, D. Department of Biology, John Carroll University, University Heights, OH 44118. Email: canthony@jcu.edu

Research Interests: Behavioral ecology of salamanders, especially members of the family Plethodontidae. Ongoing projects include studies examining the ecological differences between color phenotypes of the Eastern Red-backed Salamander, *Plethodon cinereus*; studies aimed at increasing our knowledge of the role of plethodontids in terrestrial food webs; and the behavioral interactions between terrestrial salamanders and non-native invertebrates such as introduced earthworms.

Service to ASIH: Reviewer for *Copeia*; Judge for the ASIH Stoye Ecology and Ethology Student Award

Davis Rabosky, Alison R. Department of Ecology and Evolutionary Biology, and Museum of Zoology, University of Michigan, Ann Arbor, MI 48109-1079. Email: ardr@umich.edu

Research interests: Evolution of behavior in lizards, evolutionary genomics and conservation genetics, character evolution and phylogenetics in snakes. Current research projects include the study of coral snake mimicry in New World colubrids, complex social behavior in Xantusiid lizards, and historical biogeography and management of California herpetofauna.

Service to ASIH: None yet.

Parkinson, Christopher, L. Department of Biology, University of Central Florida, Orlando FL 32816. Email: parkinson@ucf.edu

Research Interests: Evolution, biogeography, and systematics of snakes with an emphasis on New World venomous species. Ongoing research projects include phylogenetic and biogeography of pitvipers, evolution of venom polymorphism within rattlesnakes, speciation within South American pitviper lineages and terrestrial vertebrate corridor use relating to sea level-rise.

Service to ASIH: Stoye Award judge, reviewer for *Copeia*; Herpetological IACUC chair (2013–present)

Richards-Zawacki, Corinne L. Department of Ecology and Evolutionary Biology, Tulane University, New Orleans, LA 70118. Email: cori@tulane.edu

Research Interests: Evolutionary ecology, speciation, sexual selection, disease ecology and conservation of amphibians. The questions I ask address (1) the effects of landscape, geographic history, and climate change on patterns of variation, (2) the temp and mode by which reproductive barriers evolve, (3) the contributions of selection and genetic drift to the evolution of phenotypes, and (4) the role of environmental and phenotypic heterogeneity in shaping outcomes of host-pathogen interactions. My projects tend to be focused geographically in Panama and the Southeastern U.S.

Service to ASIH: None to date. For other societies: reviewer for *Herpetologica*, *Journal of Herpetology*, and *Herpetological Review*. Judge for the Herpetologist's League E. E. Williams Research Grant.

Rovito, Sean M. Laboratorio Nacional de Genómica para la Biodiversidad (LANGEBIO), CINVESTAV, Irapuato, Guanajuato, Mexico. Email: smrovito@gmail.com

Research Interests: Systematics, diversification, and speciation of Neotropical plethodontid salamanders. I am using both traditional and next-generation sequencing methods to estimate phylogenetic relationships between Neotropical salamanders and to understand the processes that have given rise to current patterns of species diversity. I am also focused on using morphological and molecular data to describe new species of salamanders from Mexico and Central America.

Service to ASIH: None to date. Judge for the Herpetologists' League Jones-Lovich Grant in Southwestern Herpetology, 2011–2014.

Saporito, Ralph, A. Department of Biology, John Carroll University, University Heights, Ohio 44118. Email: rsaporito@jcu.edu

Research Interests: Chemical ecology of poison frogs, with an emphasis on the ecology and evolution of chemical defenses and aposematism. Sequestered defenses in vertebrates. Ongoing projects include characterizing the alkaloid defenses of dendrobatid (Dendrobatidae), bufonid (Melanophryniscus), and mantellid (Mantella) poison frogs; identifying the dietary arthropods responsible for poison frog alkaloids; describing the taxonomic distribution of alkaloids in oribatid mites (major source of poison frog alkaloids); quantifying the diet of poison frog species; feeding experiments aimed at understanding alkaloid sequestration and alkaloid detection in dendrobatid and bufonid poison frogs; studying maternal provisioning of alkaloid defenses in dendrobatid and bufonid poison frogs; understanding the function of poison frog alkaloids in predator-prey interactions and as a defense against microbial pathogens; understanding the function of conspicuous coloration as both a warning signal to natural predators and in sexual selection in dendrobatids; studies of potential alkaloid sequestration in tropical snakes and birds.

Service to ASIH: Stoye Award Judge (2013, 2014); Chair of Gage Award (2013); Committee Member, Gage Award (2011-2013); Board of Governors (2008-2012); Reviewer for *Copeia*; Committee Member, Graduate Student Committee (2006-2007).

Westphal, Michael F. U.S. Bureau of Land Management, Hollister Field Office, Hollister, California 95023. Email: mwestpha@blm.gov

Research Interests: Evolutionary genetics of squamate color patterns and conservation genetics of reptiles and amphibians. I am co-PI on several landscape genetic projects for desert reptiles of the San Joaquin Valley desert ecosystem including *Gambelia sila*, *Xantusia vigilis*, *Arizona elegans*, and *Masticophis flagellum*. I also study the evolution and ecology of the live-bearing surfperch of the family Embiotocidae.

Service to ASIH: No formal service yet. Service to herpetological community includes reviewer for *Herpetologica*, *Herpetological Review*, and *Herpetological Conservation and Biology* as well as reviews for numerous other journals where the study organisms are reptiles, amphibians and fish.

Whitfield, Steven M. Gonzaga University, Biology Department, Spokane, Washington 99258. Email: whitfields@gonzaga.edu

Research Interests. Ecology and conservation of amphibians and reptiles in Central America. Ongoing projects include assessment of climate change impacts to tropical amphibians and reptiles; ecotoxicological impacts of current-use pesticides on tropical amphibians; mapping

the distribution and host range of ranaviruses in Costa Rica; investigating interactions among the amphibian chytrid fungus and climate change; conservation of critically threatened relict amphibian populations persisting with the amphibian chytrid fungus.

Service to ASIH. Graduate Student Participation Committee (2008–2009). Reviewer for Herpetological Review.

Wogan, Guinevere O. U. Museum of Vertebrate Zoology, University of California Berkeley, Berkeley, CA 94720. Email: gwogan@berkeley.edu

Research Interests: I research how environmental heterogeneity and spatio-temporal change in climate, habitats, and landscape features influences population structure and diversification. For this research I use a combination of genetic/genomic data, classic population genetics and phylogenetic techniques as well as distribution modeling, and landscape genetics. I primarily study SE Asian herps (frogs in particular), but also have several projects focused in the western U.S. focused on varied topics such as ecological speciation, island biogeography, and phylogeography.

Service to ASIH: Reviewer for *Copeia*.

BOARD OF GOVERNORS – ICHTHYOLOGY

Arnold, Rachel J. School of Aquatic and Fishery Sciences, University of Washington, 1122 NE Boat St., Box 355020, Seattle, Washington 98105. Email: schoenrj@uw.edu

Research Interests: My research is devoted to uncovering and documenting biodiversity; recovering evolutionary relationships; estimating diversification rates; studying character evolution, especially reproductive modes in marine fishes; and estimating divergence times. My approach involves a broad array of subdisciplines, including collection-based morphological analysis, molecular phylogenetics, and comparative methods. My current research project includes the evolutionary history, divergence times, and life history of the anglerfishes (Order Lophiiformes).

Service to ASIH: Committee on Graduate Student Participation (2013); Graduate Student Committee for ASIH Travel Awards (2013); and Graduate Student Representative for the Conservation Committee (2012).

Matthew P. Davis. Assistant Professor of Ichthyology, Department of Biological Sciences, St. Cloud State University, 262 Wick Science Building, 720 Fourth Avenue South, St. Cloud, MN 56301. Email: mpdavis@stcloudstate.edu

Research Interests: My research focuses on the evolution of fishes that inhabit the deep sea. I use phylogenetic hypotheses as frameworks to investigate evolutionary questions related to deep-sea biodiversity and diversification including; estimating divergence times, temporal changes in diversification rates, character evolution, correlations between speciation rates and evolutionary adaptations, ecological habitat shifts, and biogeography.

Service to ASIH: Editorial Board (2014–present); Stoye Award judge; Reviewer for *Copeia*.

DeVaney, Shannon C. Life Science Department, Los Angeles Pierce College, 6201 Winnetka Ave., Woodland Hills CA 91371. Email: devanesc@piercecollege.edu

Research Interest: Field surveys, phylogeny, and evolution of fishes, especially meso- and bathypelagics; ecological modeling and conservation biology.

Service to ASIH: Storer Award judge.

Ferry, Lara. School of Mathematical and Natural Sciences, Arizona State University, Phoenix, AZ 85069-7100. Email: lara.ferry@asu.edu

Research Interests: Biomechanics, functional morphology, feeding, prey capture, respiration/ventilation in fishes; evolution of jaws and joints (in fishes); general Ichthyology.

Service to ASIH: Symposium Organizer (2001, 2015), Meritorious Teaching Award (Lifetime Achievement) in Ichthyology Selection Committee (2014), Gibbs Award Committee (2008–2010), Broadening Participation Committee (2000), Judge for Best Student Paper awards (multiple), reviewer for *Copeia* (multiple).

Kenaley, Christopher P. Museum of Comparative Zoology, Department of Organismic and Evolutionary Biology, Harvard University, Cambridge, MA 02134. Email: ckenaley@fas.harvard.edu

Research Interest: Systematics, phylogeny, morphology, molecular evolution, biomechanics, and ecology of oceanic and deep-sea fishes. Current projects include computational and robotic models of feeding systems in fishes, neuronal circuitry of bioluminescence, revisionary systematics of the family Stomiidae, neuroanatomical studies of basal euteleosts, visual pigment evolution of meso- and bathypelagic teleosts, development of biomimetic suction devices inspired by fishes, performance response to climate change in fishes, and a worldwide inventory of all deep-sea fishes.

Service to ASIH: Web Content Management Committee (2009–present); Graduate Student Participation Committee (2006–2009); reviewer for *Copeia*, Stoye Award judge.

López-Fernández, Hernán. Division of Fishes, Department of Natural History, Royal Ontario Museum, 100 Queens Park, Toronto, ON M5S 2C6, Canada. Email: hlopez_fernandez@yahoo.com.

Research Interests: Systematics, evolutionary ecology and historical biogeography of Neotropical freshwater fishes, with emphasis on the family Cichlidae. Ongoing projects include development of phylogenomic hypotheses of cichlid interrelationships, study of ancient continental adaptive radiations of Neotropical fishes, rates and patterns of lineage end phenotypic diversification, associations between morphology and ecological performance in cichlids and loricatoriids, and surveys of the fish diversity of the Guianas.

Service to ASIH: Reviewer for *Copeia*.

Maslenikov, Katherine P. University of Washington Fish Collection, School of Aquatic and Fishery Sciences and Burke Museum of Natural History and Culture, Box 355100, Seattle, WA 98195. Email: pearsonk@uw.edu

Research Interests: Building and curating the University of Washington's Fish Collection and supporting the ichthyology community through access to the UW's specimens, tissues, and data. Providing greater access to specimen data through partnerships with bioinformatics initiatives (GBIF, VertNet, OBIS, etc.). Community outreach and education, partnering with local STEM programs to reach K-12 audience. Systematics, taxonomy, biogeography of the ichthyofauna of the eastern North Pacific. Ongoing projects with the family Liparidae as well as projects documenting species distributions.

Service to ASIH: Collections Committee (2002–present).

Singer, Randal A. University of Alabama Ichthyology Collection (UAIC), Department of Biological Sciences, Mary Harmon Bryant Hall Tuscaloosa, AL 35487. Email:

randal.a.singer@as.ua.edu

Research Interests: Taxonomy and systematics of Southeast Asian loaches of the family Nemacheilidae, specifically the genera *Schistura*, *Acanthocobitis*, and *Paracanthocobitis* with an emphasis on morphology. Additional interest in morphology of fishes across multiple families, specifically those found in deep-sea ecosystems. Ongoing projects include museum practices and techniques research, including rehydration of desiccated fluid-preserved museum specimens, and optimal preservation techniques and a revision of the loach genus *Acanthocobitis*.

Service to ASIH: ASIH Collections Committee 2011–Present; ASIH Collections Committee, Policies and Practices subcommittee 2012–present.

Sutton, Tracey T. Associate Professor, Nova Southeastern University Oceanographic Center, 8000 North Ocean Drive, Dania Beach, FL 33004. Email: tsutton1@nova.edu

Research Interests: Taxonomy and systematics of marine fishes, with emphasis on deep-pelagic taxa; trophic ecology of deep-sea and coastal fishes; marine ecosystem modelling; biophysical coupling of fish assemblages and their environment; connectivity of fish populations; benthic-pelagic coupling; deep-ocean conservation, management, and policy; global pelagic fish biogeography; multi-mode exploration of poorly known oceanic habitats.

Service to ASIH: Member since 1994; *Copeia* reviewer; chair of multiple ASIH Annual Meeting sessions.

Tang, Kevin L. Department of Biology, University of Michigan-Flint, Flint, MI 48502. Email: kltang@umflint.edu

Research interests: Systematics and phylogeny of fishes. Current projects include resolving the phylogenetic relationships of Cypriniformes, Embiotocidae, Ophidiidae, and Pomacentridae, with the goal of revising the classification to match the phylogeny.

Service to ASIH: *Copeia* reviewer; Stoye Award judge.

RE-ELECTION OF INCUMBENT OFFICERS 2015

The following officers agree to serve the ASIH and must be elected for 2015.

Please cast your vote for the incumbent officers.

_____ F. Douglas Martin –Treasurer

_____ Christopher Beachy – Editor

_____ Wm. Leo Smith – Figure Editor

_____ Donald G. Buth – General Ichthyology Associate Editor

_____ Thomas J. Near – General Ichthyology Associate Editor

_____ Roberto Reis – General Ichthyology Associate Editor

_____ Michael J. Lannoo – General Herpetology Associate Editor

_____ Jacob Kerby – General Herpetology Associate Editor

_____ Wm. Leo Smith – Genetics, Development & Morphology Associate Editor

_____ Dustin Siegel – Genetics, Development & Morphology Associate Editor

_____ Jacqueline Litzgus – Ecology & Ethology Associate Editor

_____ Jacob Schaefer – Ecology & Ethology Associate Editor

_____ Joel Snodgrass – Ecology & Ethology Associate Editor

_____ Karen Martin – Physiology & Physiological Ecology Associate Editor

_____ Jay W. Orr – Index Co-Associate Editor

_____ Cynthia Klepadlo – Index Co-Associate Editor

_____ Prosanta Chakrabarty - Book Review Editor - Ichthyology

_____ Robert Espinoza - Book Review Editor - Herpetology

SLATE OF CANDIDATES FOR THE BOARD OF GOVERNORS ELECTION TO BE HELD ON 15 JULY 2015.

ROBERT H. GIBBS, JR. MEMORIAL AWARD COMMITTEE

Lundberg, John G. Academy of Natural Sciences, 1900 Ben Franklin Pkwy., Philadelphia, PA 19103. Email: jg143@drexel.edu

Research interest: Evolution and systematics of fishes with special focus on catfishes and electric knife fishes. Biogeography of especially of the Americas, paleontology, morphology.

Service to ASIH: President, 2008–2010; Executive Committee; Prior terms and now permanent member of Board of Governors; 2009–present, Website Content and Management Committee; twice served on Nominating Committee; Honorary Foreign Member, Ichthyology.

Piller, Kyle R.: Professor and Curator of Vertebrates, Southeastern Louisiana University, Department of Biological Sciences, Hammond, LA 70402, kyle.piller@selu.edu

Research Interest: Systematics, taxonomy, and population genetics of freshwater and marine fishes. Current projects include the diversification of silversides (Tribe Menidiini) and goodeids (Goodeidae), systematics and taxonomy of darters (Percidae), and population genetics of select Louisiana fishes.

Service to ASIH: Graduate Student Workshop Chair (1999), Graduate Student Book Raffle Chair (2000), Raney Award Committee (2009, 2010, Chair 2011), Stoye Award Judge Ichthyology (2009), Resolution Committee Chair (2009), Board of Governors (2004–2009) and (2014–present), Meeting Management and Planning Committee (2012–present), Co-local host, JMIH 2016 New Orleans.

Smith-Vaniz, William F. Florida Museum of Natural History, University of Florida, Dickinson Hall, Museum Road and Newell Drive, Gainesville, FL 32611-7800. Email: smithvaniz@gmail.com

Research Interest: Systematics, zoogeography and phylogeny of marine fishes, with primary focus of Indo-Pacific reef fishes; Conservation of marine fishes; and History of ichthyology. Ongoing studies of Carangidae phylogeny, including descriptions of new genera and species; revisionary studies of the jawfish genera *Opistognathus*, *Lonchopisthus*, and *Stalix*; descriptions of new species of saber-tooth blennies (tribe Nemophini); annotated checklist of fishes of St. Croix, U.S. Virgin Islands.

Service to ASIH: Board of Governors (1977–1981, 1984–1988); Editorial Board (1978–1984); Nomenclature Committee (1983–1989); Chairman Ichthyology Honorary Foreign Member Committee (1994).

JOSEPH S. NELSON AWARD COMMITTEE

Berra, Tim M. Dept. of Evolution, Ecology & Organismal Biology, The Ohio State University, 1760 University Dr., Mansfield, Ohio 44906 USA. Email: berra.1@osu.edu

Research Interest: Ecology, systematics, evolution, biogeography of fishes, especially freshwater and Australian fishes and sharks. Life of Charles Darwin.

Service to ASIH: Editorial Board, 1974–1978; chairman, Committee on History of Society, 1977–1983; Board of Governors, 1989–1993, ex-officio 1993–2000, 2010–2014; Ichthyology

Book Review Editor, 1993–2000; Storer Award Judge in Ichthyology, 1996; chairman, Honorary Foreign Member Committee in Ichthyology, 1997; chairman, Committee on Special Publications, 1999; Nominating Committee, 2008, Chair 2009.

Smith, Gerald, R. Museum of Zoology, Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor, MI 48109. Email: grsmith@umich.edu

Research Interest: Distribution, paleontology, and evolution of North American late Cenozoic freshwater fishes. Systematics and phylogeny of Catostomidae, Cyprinidae, Salmonidae.

Ongoing projects include descriptions of Miocene to recent geologic history and lineages of fishes of the Great Basin, Colorado River basin, Snake River Plain, and Columbia drainage.

Service to ASIH. Board of Governors; Stoye Award judge; Ichthyological Editor of *Copeia*; Genetics and Development Editor of *Copeia*; reviewer for *Copeia*; host of 1988 joint meetings; president, 1990.

Webb, Jacqueline F. Department of Biological Sciences, University of Rhode Island, Kingston, RI 02881. Email: jacqueline_webb@uri.edu

Research Interests: The developmental, structural, and functional evolution of the mechanosensory lateral line system of fishes.

Service to ASIH: Board of Governors (1994-1999, 2006-2010, 2011-2015); Web Content and Management Committee (2014-Present); Chair, *ad hoc* Committee on *Copeia* (2014-Present); Chair, Local Host Committee, 2010 Annual Meeting in Providence, RI; Organizer, Symposium and Banquet in Honor of Dr. Karel Liem; ASIH representative to the Early Life History Section of AFS (2006-2010); Stoye Award Committee - Ecology and Ethology, Chair (2001); Genetics, Development & Morphology, Chair (1992, 1997), Judge (1989, 2005); Raney Award Committee, Chair (1992), Judge (1991)

HENRY S. FITCH AWARD COMMITTEE

Aldridge, Robert D. Biology Department, Saint Louis University, MO. Email: aldridge@slu.edu

Research Interests: Reproductive biology of snakes. Pheromone production, seasonal cycles of vitellogenesis and spermatogenesis, evolution of reproductive cycles in squamates.

Service to ASIH: Storer Award judge; reviewer for *Copeia*.

Robert E. Espinoza, Associate Dean of the College of Science and Mathematics and Professor and Curator of Amphibians and Reptiles in the Department of Biology, California State University, Northridge, Northridge, California 91330-8303, USA. Phone: (818) 677-4980; Email: robert.e.espinoza@csun.edu

Research Interests: ecological and evolutionary physiology of amphibians and reptiles, particularly those from deserts and cold climates; biology and taxonomy of liolaemid lizards

Service to ASIH: Board of Governors (2003–08, 2011–15); Johnson Award Committee (2013–15), Chair (2015); *Copeia* Publications Policy Committee (2011–Present); *Copeia* Book Review Editor for Herpetology (2011–Present); *Copeia* Best Papers in Herpetology Award Committee (2012–Present); Participant, Graduate Student–Professionals Speed-Networking Workshop (2011–12, 2014); *Copeia* Review Implementation Committee (2005–06); Judge, Stoye Award for Best Student Paper, Ecology and Ethology (2006); Resolutions Committee (2004); Gaige

Award Committee (2002–04), Chair (2004); Student Mentor, Equal Participation Committee (2000); Co-Chair for Symposium: “*Comparisons and Current Uses of Phylogenetic Approaches to Ichthyology and Herpetology*” (1997); Committee for Graduate Student Participation (1994–98); *Organizer or Co-Organizer of Graduate Student Social* (1995, 1997–98), *Co-Organizer of Graduate Student Workshop: “How to be a graduate student today for the job you want tomorrow”* (1996)

McDiarmid, Roy W. USGS Patuxent Wildlife Research Center, National Museum of Natural History, Division of Amphibians & Reptiles, PO Box 37012, Washington, DC 20013-7012. Email: mcdiarmidr@si.edu

Research Interests: Roy McDiarmid currently is a Supervisory Research Zoologist with the Biological Resources Division of the U.S. Geological Survey; he is affiliated with Patuxent Wildlife Research Center, Laurel, Maryland and stationed at the National Museum of Natural History in Washington D.C., where he serves as Curator of Amphibians and Reptiles. McDiarmid did undergraduate and graduate studies at the University of Southern California and received a Ph.D. in 1969. After a short time at the University of Chicago, he spent ten years at the University of South Florida in Tampa, during which time he taught several courses in the OTS program in Costa Rica. Roy has focused most of his professional career on understanding the natural history of Neotropical amphibians and reptiles in Mexico, Costa Rica, Ecuador, Peru and Venezuela. Since arriving in 1978 at the National Museum of Natural History, his research has centered primarily on field research on the systematics and diversity of amphibians and reptiles in lowland rainforests of Ecuador and Peru and in the Guayana Highlands of southern Venezuela. With colleagues he has published books on tadpole biology, snake species of the world, measuring and monitoring amphibian diversity, reptile biodiversity and others are in the works. He has often participated in the activities of national and international herpetological societies and has served as President of the American Society of Ichthyologists and Herpetologists, the Herpetologists’ League, and the Society for the Study of Amphibians and Reptiles.

Service to ASIH: Board of Governors, 1969–1972, 1973–1978, 1980–1985, 1989–1994, 1995 to present; President 1994. Committee on Traffic in Venomous and Noxious Reptiles, 1973–1977; Committee on Environmental Quality, 1977–1983; Long Range Planning and Finance Committee, 1982–1986; Herpetological Resources Committee, 1979–1982, 1982–1985 (Chairperson); and Nominating Committee, 1983, 1984 (Chairperson), 1993.

ROBERT K. JOHNSON AWARD COMMITTEE

Brown, Rafe M. Biodiversity Institute and Department of Ecology and Evolutionary Biology, University of Kansas, Lawrence, KS 66044. Email: rafe@ku.edu.

Research Interests: Evolutionary processes of vertebrate diversification in island archipelagos of Southeast Asia and the southwest Pacific; systematic herpetology and comparative biogeography; amphibian conservation and biodiversity in the Philippines. I use genetic data, phylogenies, population genetic studies, and information from species distribution to test hypotheses related to the mechanisms and timing of colonization, diversification, and assembly of island faunas. As a museum curator and systematic herpetologist, I maintain a commitment to taxonomic studies, faunistic works, and applied management efforts such as conservation

genetics, molecular trade forensics, monitoring emergence of infectious disease in amphibians, and the continual updating of amphibian species' conservation status assessments.

Service to ASIH: Ad-hoc Publications Committee for *Copeia* format negotiations with Allen Press (2008); Reviewer for *Copeia* (1999–2013).

Parker, Scott L. Department of Biology, Coastal Carolina University, P.O. Box 261954, Conway, South Carolina, 29528.

Research interests: Physiological ecology and reproductive physiology of squamate reptiles. Nesting and spatial ecology of diamondback terrapin (*Malaclemys terrapin*). Current research projects focus on differential effects of hypoxia on embryonic growth versus differentiation in lizard embryos.

Service to ASIH: No service to ASIH in particular but I am a member of SSAR. I've reviewed manuscripts submitted to *Journal of Herpetology* and also served as a judge for student presentations at the 2013 Joint Meeting of Ichthyologists and Herpetologists in Albuquerque.

Taylor, Emily N. Biological Sciences, California Polytechnic State University, San Luis Obispo, CA 93407-0401. Email: etaylor@calpoly.edu

Research Interests: Environmental physiology of reptiles, including endocrine, sensory, and neural regulation of reproduction and spatial navigation; eco-immunology; endocrinology of human-wildlife interactions.

Service to ASIH: Chair of Stoye Award Committee (2014), Board of Governors (2009–2014), Chair of Resolutions Committee (2012), Nominating Committee (2011–2012), Gaige Award Committee (2009–2011), Stoye Award Judge (2008, 2012).

49. Appendix D. Officers, Copeia Staff, Committees, Board of Governors 2015

Officers – 2015

President – Larry G. Allen
President-Elect – Maureen A. Donnelly
Past President – H. Bradley Shaffer
Prior Past President – William J. Matthews
Secretary – Maureen A. Donnelly
Treasurer – F. Douglas Martin
Editor – Christopher Beachy

Copeia Staff – 2015

Editor – Christopher Beachy
Production Editor – Kathleen Smith
Figure Editor – Wm. Leo Smith
General Ichthyology Editor – Donald G. Buth
General Ichthyology Editor – Thomas J. Near
General Ichthyology Editor – Roberto Reis
General Herpetology Editor – Michael J. Lannoo
General Herpetology Editor – Bryan Stuart
General Herpetology Editor – Jacob Kerby
Ecology and Ethology Editor – Jacob Schaefer
Ecology and Ethology Editor – Joel Snodgrass
Ecology and Ethology Editor – Jacqueline Litzgus
Genetics, Development and Morphology Editor – Wm. Leo Smith
Genetics, Development and Morphology Editor – Dustin Siegel
Genetics, Development and Morphology Editor – Terry Grande
Physiology and Physiological Ecology Editor – Karen Martin
Index Co-Editor – Cynthia Klepadlo
Index Co-Editor – Jay W. Orr
Book Review Editor Ichthyology – Prosanta Chakrabarty
Book Review Editor Herpetology – Robert E. Espinoza

ASIH Committees - 2015

AUDIT COMMITTEE

Steven J. Beaupre - (Chair)
Members: William J. Matthews, H. Bradley Shaffer

COMMITTEE ON SPECIAL PUBLICATIONS

Jon Armbruster - armbrjw@auburn.edu (Chair)
Members: Hank Bart, Jacqueline Litzgus

COMMITTEE ON GRADUATE STUDENT PARTICIPATION

Abbigail Nicholson - aenicholson1s@semo.edu (Chair)
Bill Ludt – wbludt@gmail.com (Chair-elect)

Savannah Michaelson – savannah.michaelsen@selu.edu (Secretary)

Book Raffle Committee:

Cheryl Thelie – theileca@hotmail.com (Chair)

Erica Rottmann – Erica.rottmann@selu.edu

Kim Foster – Kimberly.foster@selu.edu

Workshop Committee:

Helen Plylar – Helen.plylar@selu (Chair)

Kim Foster – Kimberly.foster@selu.edu

Julia Schmidt-Petersen – Julia.schmidtpetersen@gmail.com

Travel Awards Organizer – Drew Davis – drew.davis@usd.edu

Conservation Committee Facebook Coordinators: David Delaney – dmdelane@uab.edu,

Thornton Larson – trlarson@miners.utep.edu, Natalia Bayona – njbayonav@gmail.com, James

Cureton – james.c.cureton.ii@gmail.com, and Corey Cates – cdcates@uab.edu

Conservation Committee Representatives: Luke Bower (Luke.Bower@selu.edu), Bryan Frenette – bryan.d.frenette-1@ou.edu

Long Range Planning & Policy Committee Representatives: Malorie Hayes

(malorie.hayes@auburn.edu), Shab Mohammadi – shab.mohammadi@gmail.com

Web Content Coordinator – Shab Mohammadi – shab.mohammadi@gmail.com

CONSERVATION COMMITTEE

Frank McCormick - FMcCormick@fs.fed.us (Chair)

Members: Matt Aresco, Jonathan Baskin, Luke Bower (student member), Noel Burkhead, Todd Campbell, Jacque Carter, Barry Chernoff, Bryan Frenette (student member), Anna George, David Green, Harry Greene, Pat Gregory, Gene Helfman, Karen Lips, Bill Loftus, Nick Mandrak, Joe Mitchell, Henry Mushinsky, Jack Musick, Phil Pister, George Rabb, Stephen Richter, Al Savitzky, Brad Shaffer, Gerald (Jerry) Smith, Peter Unmack, Steve Walsh, Mel Warren, Jim Williams

EDUCATION AND HUMAN RESOURCES COMMITTEE

Michael Pauers - michael.pauers@uwc.edu (Chair)

Members: Prosanta Chakrabarty, Steve Kimble Elizabeth Marchio (student member)

ENDOWMENT and FINANCE COMMITTEE

Michael Retzer - michaelretzer@sbcglobal.net (Chair)

Members: Linda Ford (2013-2016), Kathleen Cole (2014-2016), Norma Salcedo (2015-2018), F. Douglas Martin (Ex Officio), Frederic Zaidan (Ex Officio)

EXECUTIVE COMMITTEE

Larry G. Allen – larry.allen@csun.edu (Chair & President)

Members: H. Bradley Shaffer (Past President), William J. Matthews (Prior Past President), Frederick Zaidan (Chair of LRPP) Christopher Beachy (Editor), Michael Retzer (Chair of ENFC), Maureen Donnelly (Secretary and President-Elect), F. Douglas Martin (Treasurer)

HENRY S. FITCH AWARD COMMITTEE

Karen R. Lips – frost@amnh.org (Chair)

Members: Richard Seigel (2014–2016), Jonathan A. Campbell (2015–2017)

GAIGE FUND AWARD COMMITTEE

Christopher Tracy – ctracy@fullerton.edu (Chair)

Members: Karen Lips (2015), Cari-Ann Hickerson (2016), Adam Leaché (2015—2017)

HERPETOLOGICAL ANIMAL CARE COMMITTEE

Christopher Parkinson – Parkinson@ucf.edu (Chair)

Members: Matthew Gifford, Alan Savitzky

HONORARY FOREIGN MEMBER IN ICHTHYOLOGY

Bruce B. Collette – collett@si.edu (Chair)

Members: Lynne Parenti, Melanie Stiassny

ICHTHYOLOGICAL ANIMAL CARE COMMITTEE

Edie Marsh-Matthews – emarsh@ou.edu (Chair)

Members: Nate Frassen, Michael Heithaus, Alexandra Snyder

ICHTHYOLOGICAL AND HERPETOLOGICAL COLLECTIONS COMMITTEE

Mark Sabaj Perez- sabaj@ansp.org (Chair)

Members: Andy Bentley, Stanley L. Blum, Barbara Brown, Paulo Andrea Buckup, David Catania, Matthew Craig, Ben Frable, J. Tomaz Giermakowski, Dean Hendrickson, Cynthia Klepadlo, Katherine Pearson Maslenikov, Richard Pyle, Nelson Rios, Rob Robins, Jessica Rosales, Gregory Schneider, Randy Singer, Ken Thompson, Lou Van Guelpen, Jens V. Vindum, H.J. Walker, Gregory Watkins-Colwell, Jeffrey T. Williams

JOINT ASIH-AFS COMMITTEE ON NAMES OF FISHES

Lawrence M. Page - lpage1@ufl.edu (Chair)

Members: Carole Baldwin, Lloyd Findley, Carter Gilbert, Karsten Hartel, Juan Jacobo Schmitter-Soto, Robert Lea, Nicholas Mandrak, H.J. Walker

ROBERT K. JOHNSON AWARD COMMITTEE

Robert E. Espinoza – Robert.e.espinoza@csun.edu (Chair)

Members: Kathleen Cole (2014—2016) , Steven J. Beaupre (2015—2017)

LONG RANGE PLANNING AND POLICY COMMITTEE

Frederick Zaidan III – fzaidan@utpa.edu (Chair)

Members: Carol Johnston, Stephen T. Ross, Jacqueline Litzgus, Michael Retzer (Ex Officio)

MEETING MANAGEMENT AND PLANNING COMMITTEE

Henry Mushinsky - mushinsk@usf.edu (Chair)

Members: Kyle Piller, Marlis R. Douglas

JOSEPH S. NELSON AWARD COMMITTEE

Cristina Cox Fernandes - cristina@bio.umass.edu (Chair)

Members: Lynne Parenti (2014-2016), Larry M. Page (2015-2017)

NOMINATING COMMITTEE

Theodore W. Pietsch (Chair)

Members: Tiffany Doan, Wm. Leo Smith, James van Dyke

PUBLICATION POLICY COMMITTEE

Christopher K. Beachy – copeia@selu.edu (Chair)

Members: all Associate Editors and Book Review Editors

RANEY FUND AWARD COMMITTEE

Paula Raelynn Deaton – paulad@stedwards.edu (Chair)

Members: Kevin Conway (2014-2016), Paulette C. Reneau (2015-2017)

RESOLUTIONS COMMITTEE

TBA in Reno

ROBERT H. GIBBS, JR. MEMORIAL AWARD COMMITTEE

Brian Sidlauskas – brian.sidlauskas@oregonstate.edu (Chair)

Members: G. David Johnson (2014—2016), Carole Baldwin (2015—2017)

STUDENT AWARDS COMMITTEE

Maureen A. Donnelly – maureen.a.donnelly@gmail.com (Co-Chair)

Prosanta Chakrabarty – prosanta@lsu.edu

Members: Stoye & Storer Judges: To Be Announced at Annual Banquet

WEB CONTENT AND MANAGEMENT COMMITTEE

Steven J. Beaupre – sbeaupre@uark.edu (Chair)

Members: Maureen Donnelly (ex officio), Melissa Gibbs, Margaret Neighbors, Brian Sidlauskas, Jacqueline Webb

HISTORY OF THE SOCIETY COMMITTEE

David G. Smith - smithd@si.edu (Co-Chair)

Joseph C. Mitchell - dr.joe.mitchell@gmail.com (Co-Chair)

Members: Inci Bowman, Vic Hutchison, Leo Smith, Susan Walls

AD HOC COMMITTEE FOR THE 100TH ANNIVERSARY OF ASIH

Eric Hilton – ehilton@vims.edu (Chair)

Members: Joe Mitchell, David Smith, Chris Beachy, Inci Bowman, Mark Sabaj Perez, Henry Mushinsky, Martha Crump, William Matthews, Maureen Donnelly

AD HOC COMMITTEE ON ASIH MEMBERSHIP

Brian Sidlauskas – brian.sidlauskas@oregonstate.edu (Chair)

Members: David Cundall, J. Sean Doody, Richard Durtsche, Lynne Parenti, Melissa Pilgrim, Luiz Rocha, Scott Schaefer, Mollie Cashner, Malorie Hayes (student)

AD HOC COMMITTEE ON COPEIA

Jacqueline Webb – Jacqueline_Webb@uri.edu (Chair)

Members: Donald Buth, Kathleen Cole, Wm. Leo Smith, Christopher Beachy, Caleb McMahan (student)

REPRESENTATIVES TO OTHER SOCIETIES

AMERICAN ELASMOBRANCH SOCIETY - Ed Heist - edheist@siu.edu

AMERICAN FISHERIES SOCIETY – Marlis R. Douglas – mrd1@uark.edu, Michael E. Douglas – med1@uark.edu

AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES - Alan Savitzky - asavitzk@odu.edu

BIOONE - Carole Baldwin - BALDWINC@si.edu

HERPETOLOGISTS' LEAGUE - Alan Savitzky - asavitzk@odu.edu

NATURAL SCIENCE COLLECTIONS ALLIANCE - Larry M. Page - lpage1@ufl.edu

SOCIETY FOR THE PRESERVATION OF NATURAL HISTORY COLLECTIONS - Luiz Rocha - lrocha@calacademy.org

SOCIETY FOR STUDY OF AMPHIBIANS AND REPTILES - Alan Savitzky - asavitzk@odu.edu

ASIH BOARD OF GOVERNORS 2015

Past Presidents		Executive Committee	Elected Governors (Sectional Editors)
Beaupre, S.J.	Matthews, W.J.	Allen, L.G.	Buth, D.G.
Burr, M.B.	Mayden, R.L.	Beachy, C.K.	Chakrabarty, P.
Cannatella, D.C.	McDiarmid, R.W.	Donnelly, M.A.	Espinoza, R.E.
Cashner, R.C.	Mushinsky, H.R.	Martin, F.D.	Grande, T.
Cohen, D.M.	Page, L.M.	Matthews, W.J.	Kerby, J.
Collette, B.B.	Parenti, L.R.	Retzer, M.	Klepadlo, C.
Douglas, M.E.	Pietsch, T.W.	Shaffer, H.B.	Lannoo, M.J.
Frost, D.R.	Pough, F.H.	Zaidan, F.	Litzgus, J.D.
Gilbert, C.R.	Rabb, G.G.		Martin, K.L.
Greene, H.W.	Robins, C.R.		Near, T.J.
Greenfield, D.W.	Savage, J.M.		Orr, J.W.
Gregory, P.T.	Savitzky, A.H.		Reis, R.E.
Hanken, J.	Shaffer H.B.		Schaefer, J.
Highton, R.	Smith, G.R.		Siegel, D.S.
Hutchison, V.H.	Trueb, L.		Smith, W.L.
Inger, R.F.	Wake, M.H.		Snodgrass, J.M.
Lundberg, J.G.			Stuart, B.

Class of 2015	Class of 2016	Class of 2017	Class of 2018	Class of 2019
Crumly, C.R.	Allen, L.G.	Burbrink, F.T.	Baldwin, C.C.	Cole, K.S.
Espinoza, R.E.	Austin, C.C.	Conway, K.W.	Craig, M.T.	Feldman, C.R.
Friel, J.P.	Bevier, C.R.	Douglas, M.R.	de Queiroz, K.	George, A.L.
Marsh-Matthews, E.	Cashner, M.F.	Montgomery, C.E.	Diaz, R.E.	Harris, P.M.
Munroe, T.A.	Doody, J.S.	Neighbors, M.A.	Leaché, A.D.	Hickerson, C-A.M.
Paterson, A.	Ferraris, C.J.	Rocha, L.A.	López, J.A.	Hilton, E.J.
Pyron, M.	Fontenot, C.L.	Ross, S.T.	Piller, K.R.	Parker, M.R.
Richter, S.C.	Schaefer, S.A.	Siegel, D.S.	Pyron, R.A.	Ruane, S.
Webb, J.	Snyder, A.M.	Watkins-	Turner, T.F.	Smith, W.L.
White, M.E.	Spencer, C.L.	Colwell, G.J.	Willson, J.D.	Todd, B.D.
		Watling, J.I.		

50. Appendix E. Summary of the Meetings 2014.

SUMMARY OF THE MEETINGS

Copeia 2014, No. 4, 780–787

THE 94th annual meeting of the American Society of Ichthyologists and Herpetologists (ASIH) was held at the Chattanooga Convention Center, Chattanooga, Tennessee from 30 July to 3 August 2014 in conjunction with the 30th annual meeting of the American Elasmobranch Society (AES), the 72nd annual meeting of the Herpetologists' League (HL), the 57th annual meeting of the Society for the Study of Amphibians and Reptiles (SSAR), and the annual meeting of the Neotropical Ichthyological Association.

BOARD OF GOVERNORS MEETING: 30 JULY 2014

The 2014 meeting of the ASIH Board of Governors was called to order at 5:05 pm by President H. Bradley Shaffer on 30 July 2014; 64 governors and 30 guests were in attendance.

Secretary Donnelly shared messages of regret from Christopher Austin, Catherine Bevier, Frank Burbrink, David Cannatella, Charles Crumly, Raul Diaz, David Greenfield, Andrés López, Paula Mabee, F. Douglas Martin, James W. Orr, Theodore Pietsch, Alexander Pyron, Michael Retzer, Jay M. Savage, Scott A. Schaefer, Bryan Stuart, Marvalee H. Wake, and James Watling.

We sadly report the passing of: David A. Chiszar (4 January 2013), Robert C. Stebbins (23 September 2013), Walter Courtney (30 January 2014), Michel Allendorf (2 March 2014), David Pettus (2 March 2014), Juan A. Rivero (3 March 2014), Alice G. C. Grandison (Honorary Foreign Member in Herpetology—10 March 2014), John Legler (28 March 2014), Glenda Rosenblatt (22 April 2014), and Alex Ploeg (17 July 2014). Shortly after our meeting in Tennessee, we learned that former President W. B. Scott passed on 18 August 2014.

President Shaffer then called on the Board to approve the minutes from the 2013 meeting as published in *Copeia* 2013(4):793–801. Governor Jacqueline Litzgus moved to accept the minutes; Governor Matthew Craig seconded the motion which carried unanimously.

President Shaffer announced that the 2014 Resolutions Committee is being chaired by Frank McCormick. Matt Craig and Kirsten Nicholson are members of the committee. Please pass any resolutions to any members of the committee so that they can be read at the Annual Business Meeting on Saturday.

President Shaffer noted that President-Elect Larry Allen and Emily Taylor are the 2014 Co-chairs of the Student Award Committee (STAC). The names of the Stoye and Storer judges will be announced during the Annual Business Meeting when the names of the winners are announced.

President Shaffer then called on Governor Henry Mushinsky to describe our future meeting sites. Governor Mushinsky announced that we will meet July 15–19 in Reno, Nevada in 2015. We have an offer from New Orleans for 2016, and the ASIH Meetings Management and Planning Committee voted to accept the bid and that seconded motion will be considered at this meeting. Kyle Piller will serve as the Chair of the Local Committee. Mary White,

Brian Crother, and Henry Bart will be members of the Host Committee. Governor Tim Berra suggested that during that meeting the ASIH should draft a resolution in favor of the teaching of evolution. Governor Crother, a resident of Louisiana, assured the governors that evolution is being taught in Louisiana. Governor Jacqueline Webb suggested that the ASIH could do outreach to K–12 teachers during our meeting. Governor Karen Martin mentioned that the city of New Orleans has already passed an ordinance that allows for the teaching of evolution. The question was called and the motion to meet in New Orleans in 2016 passed unanimously.

President Shaffer then called on Secretary Donnelly to read the minutes from the Executive Committee meeting that was held earlier in the day.

The Executive Committee meeting was called to order by President Shaffer at 9:01 am. Treasurer Martin was not able to attend the meeting because of his recent surgery. David Cundall sat in for Mike Retzer who is repairing flood damage to his home. First we discussed the financial status of the society. Treasurer Martin informed us that dues will not be increased in 2015. We currently have a substantial amount of “cash” on hand, and we discussed possible ways to use that cash to help attract and retain our student members. We discussed several possible ways to move these funds and determined that we would refer this issue to the Endowment and Finance Committee and get their recommendation for how we should move cash to improve our financial situation.

We then turned to the Centennial Report prepared by Past President Matthews. President Matthews believes the Centennial of the ASIH might be the right moment to start a Capital Campaign to raise funds to secure the next 100 years of our society. We have some time to prepare for our 100th birthday, and more details will be forthcoming as we move closer to that event.

We then considered meeting policies and social media that were brought to our attention by our Figure Editor, Leo Smith. Some societies are exceedingly rigid and prohibit any sort of recording of sessions. The members of EXEC believe that our meetings are open fora for the exchange of scientific information, and were generally of the opinion that such prohibition would be difficult to enforce. We will include a statement in our “instructions for abstract submission” that reminds authors that their presentations are available to the meeting public. We also thought that if authors wish to prohibit photos or recordings during their presentations, they could make that clear as they start their talks.

We then turned to discussion of the JPASS option that is available from JSTOR. The JPASS, available to society members at a discounted price of \$99, would provide those members with access to JSTOR collections. We have sent a message to the JSTOR group, and once we receive instructions we will circulate those out via the email blast.

We considered a request from the Committee on Graduate Student Participation to purchase a Square Card Reader so that the students will be able to accept credit card payment

for raffle tickets. The EXEC agrees that this is an excellent idea, and we will have Treasurer Martin set up the account so that the students will have the Square Card Reader in 2015. Treasurer Martin and Malorie Hayes arranged to have the reader in place for the 2014 meeting and the students raised a record amount of money during the 2014 book raffle.

The EXEC then reviewed a new description for the President-Elect that will replace the old version in the policies and procedures manual. The new description was accepted and will be added by Jackie Litzgus, the Chair of the Long Range Planning and Policy Committee, to the manual that is posted on our website (<http://www.asih.org/about/society-documents>).

We received a letter from Dr. Leonard J. V. Compagno regarding shark conservation. We will refer his letter to the Conservation Committee so that they can decide upon the best action to help protect sharks.

We then moved to a discussion of a re-merger of the Long Range Planning and Policy Committee with the Endowment and Finance Committee. The two committees are focused on similar issues, and we encourage them to meet together moving forward. If a merger seems reasonable for the future, we will consider such action. The membership of both committees is staggered, and the staggering appears to be back on track. Jackie Litzgus will rotate off of the Long Range Planning and Policy Committee at the end of the year but will remain as a member for at least a year.

We then turned to a discussion of the proposed Constitutional Changes. President Shaffer will ask for approval of all changes as presented. Changes that Governors wish to discuss will be exempted and discussed.

We then considered Old Business. The website is up and running. We need to have more images submitted to the image bank. If you or any of your students have images they would like to share, please have them submit their images to the bank. The Web Content and Management Committee will meet Saturday afternoon at 4:00 pm. Any persons interested in the webpage should attend. We are seeking a new chair for the committee. The first Meritorious Teaching Award in Ichthyology will be presented this year. The AES and ASIH have joined to present this award, and we are delighted to present the award in 2014. We then turned to a consideration of moving more funds to the Gaige and Raney competitions so that we can give more awards or larger awards in the future.

Turning to New Business, we discussed the collection of diversity data for our members because Governor Chakrabarty is interested in obtaining these data for the ASIH. We will charge the Education and Human Resources Committee to consider why we would collect these data, what will we do with them, and who will curate them. This year, because Secretary Donnelly is on the ballot, President-Elect Allen will distribute and count the ballots. He will present the results at the ASIH Picnic; we will post the results on the website and report them in the Summary of the Meetings. We then considered costs for the publication of color figures. The EXEC charges the Publication Policy Committee to develop a plan for reducing these costs for our members.

The Executive Committee Meeting was adjourned 12:49 pm!

REPORTS TO THE BOARD

President Shaffer then called for a motion to approve the reports in the 2014 Board of Governors Book except for

those exempted by the Executive Committee and any exempted by the Governors. The Executive Committee exempted two reports (the report from the Ad Hoc Committee on ASIH Membership and Appendix H) that lists the 2014 Committees because of typographical errors. The Governors then exempted the reports from the Treasurer, the Editor, the Past President, the Nominating Committee, the Endowment and Finance Committee, the Long Range Planning and Policy Committee, the Nominating Committee, the Ichthyological and Herpetological Collections Committee, and the Ad Hoc Committee on Membership.

President Shaffer asked Secretary Donnelly to describe the typographical errors associated with the report from the Ad Hoc Committee on Membership. After Secretary Donnelly described the errors, President Shaffer called for approval of the rest of the reports. Governor Deanna Stouder moved to approve the reports, Governor Darrel Frost seconded the motion which carried unanimously.

The Governors then turned to a discussion of the exempted reports. Governor Bruce Collette asked why only \$300 came into the society coffers during 2013. Governor Collette also wondered when "free page charges for members" became a policy because he did not remember the Board of Governors approving such a decision.

Editor Christopher Beachy explained that he generates the invoices and sends them to the Treasurer, but that he did not have a "follow up" procedure in place to ensure that funds were collected. Governor Margaret Neighbors reported that during her years as the Treasurer, members were not charged for page charges. President Shaffer stated that we will find out from Treasurer Martin what he does with the invoices for page charges and color. Governor G. David Johnson wanted to return to a discussion of the expense of producing color plates. After additional discussion, Governor Mushinsky moved to approve the report, Governor Michael Douglas seconded the motion, and the report was accepted by a unanimous vote. Governor Buth then asked about Treasurer's Table 2 and why the student numbers declined so dramatically in 2008. President Shaffer told the Governors that he would query Treasurer Martin about the data presented in Table 2.

Governor Donald Buth exempted the Editor's Report because he felt that Editor Beachy's report misrepresented the actions of the Sectional Editors. He asked that Governor Beachy rework the final sentence. Governor Buth then moved to accept the report, Governor Collette seconded the motion which carried unanimously.

Governor Carole Baldwin exempted the Past President's report to correct the names of the Society Historians: Joseph C. Mitchell and David G. Smith. Governor Mushinsky moved to accept the report with those corrections, Governor Kevin de Querioz seconded the motion that carried unanimously.

Reports from the Endowment and Finance Committee and the Long Range Planning and Policy Committee were exempted by Governor Collette because he wondered why his question about direct costs of meeting planning were not presented in the reports. Secretary Donnelly reported that that information was published in the Summary of the Meetings published in *Copeia* in 2013 on page 795. Governor Mushinsky then moved to accept the two reports, Governor Collette seconded the motion, and the motion passed unanimously.

Governor Lynne Parenti exempted the report from the Nominating Committee because she was concerned that

Secretary Donnelly, if elected in 2014, would hold two offices simultaneously. Secretary Donnelly was asked to explain why she felt holding two offices would not be an onerous job given that she assembles the judging packets and is an ex officio member of the Web Content and Management Committee. Those two functions are the primary responsibilities for the President-Elect. After discussion, President Shaffer called on the Governors to take a straw vote on this matter. The governors voted to allow Secretary Donnelly to hold both offices if she is elected to the position in 2014. The governors also asked for a change in the Constitution that would explicitly prohibit a single individual from holding two offices. Governor Litzgus moved to accept the report from the Nominating Committee, Governor Mushinsky seconded the motion, and the report was accepted unanimously.

Governor Collette exempted the report of the Ichthyological and Herpetological Collections Committee because the report did not include information on federal institutions. Governor Collette indicated that inclusion of federal, state, or local regulations would enhance the report.

Governor Collette also exempted the report from the Ad Hoc Committee on ASIH Membership. He was concerned that some of the information contained in the report was not correct. Governor Sidlauskas assured the Governors he would correct any inaccuracies. Governor Collette moved to accept the report, Governor de Queiroz seconded the motion, and the report was accepted unanimously.

CONSTITUTIONAL CHANGES

President Shaffer then turned to a consideration of the Constitutional changes. He asked for a motion to approve the changes as presented in Appendix G of the Board of Governors Book except for those exempted by the Governors. The Governors exempted two of the changes: Article IV, Section 2 and Article V, Section 1. Governor Robert Espinoza moved to accept the changes, Governor Adam Summers seconded the motion, and the changes to the Constitution were approved unanimously.

Article IV, Section 2 of the ASIH Constitution was targeted for change to allow for Electronic Voting. Governor Collette felt that while electronic voting might be warranted, he felt that an ad hoc committee should consider such a change. Discussion ensued about the pros and cons of such an approach to voting. Governor Summers spoke in favor of the change indicating that several societies have successfully moved to electronic elections and encouraged us to vote in favor of the motion. Governor Mushinsky called the question, and the proposed change to Article IV, Section 2 of the ASIH Constitution was approved.

Governor James Hanken exempted the proposed change to Article V, Section 1 and wondered why the Sectional Editors would be members of the Board of Governors. Secretary Donnelly explained that the Sectional Editors are currently officers, and this proposed change would move them from that category to being members of the Board of Governors. The question was called, and the change was approved unanimously.

OLD AND NEW BUSINESS

President Shaffer then called for items of Old Business. Governor Victor Hutchison reminded the Governors that the ASIH passed a resolution that supported teaching

evolution. Governor Hutchison and Governor Berra would like that resolution sent to Glenn Branch of the National Center for Science Education. The resolution was passed in 2008. Secretary Donnelly sent the resolution to Glenn Branch while in Chattanooga.

President Shaffer then called for items of New Business. Governor Hutchison informed the governors that Louisiana and Tennessee are anti-evolution and wanted to stress that teaching evolution is important. President Shaffer suggested that a resolution be drafted and submitted to the Resolutions Committee for consideration at our Annual Business Meeting.

President Shaffer then called on the Governors to approve the ballot for the General Election that will be derived from the Candidate Information contained in Appendix C of the 2014 Board of Governors Book. Governor Mushinsky moved to accept the ballot; Governor Steven Beaupre seconded the motion that was unanimously approved.

BOARD OF GOVERNORS ELECTIONS

President Shaffer then called on the Governors to approve the Ballot for the Board of Governors Election. Governor Larry Allen moved to accept the ballot, Governor Savitzky seconded the motion, and the ballot was accepted unanimously. The results of the Election were announced at the Picnic. **Carole Baldwin** was elected to a three-year term on the Robert H. Gibbs, Jr. Award Committee, **Steve Beaupre** was elected to a three-year term on the Robert K. Johnson Award Committee, **Larry Page** was elected to serve a three-year term on the Joseph S. Nelson Award Committee, and Whit Gibbons was elected to serve as the chair of the Henry S. Fitch Award Committee. Whit has already served as a member and chair of that committee and notified Secretary Donnelly shortly after she returned to Miami. The Executive Committee approved a motion to go to the person receiving the second highest number of votes. The decision of the Executive Committee was endorsed by the Board of Governors in August 2014. **Jonathan A. Campbell** will serve a three-year term on the Henry S. Fitch Award Committee. Congratulations to everyone who was elected and thanks to all for placing their names on the ballot.

President Shaffer then called on Darrel Frost, Chair of the Honorary Foreign Member in Herpetology Committee, to describe the academic achievements of Dr. **Indraneil Das**. His remarkable career was described, and the Governors approved the nomination by acclamation.

The Board of Governors meeting was adjourned at 7:09 pm.

ANNUAL BUSINESS MEETING: 14 JULY 2013

President Shaffer called the Annual Business Meeting (ABM) to order at 6:07 pm in Banquet Room G of the Chattanooga Convention Center. Before starting with our agenda items, he called on Governor Steve Beaupre, Chair of the Web Content and Management Committee, to introduce our webmaster Dennis Murphy. Dennis was greeted by a warm round of applause. President Shaffer then called for a motion to approve the minutes as published in *Copeia* 2013(4):793–801. Lynne Parenti moved to approve the minutes; Adam Summers seconded the motion that carried unanimously. President Shaffer called on Secretary Donnelly to read the minutes of the Board of Governors meeting held on 30 July 2014. President Shaffer then called for a motion

to approve the minutes as read. Deanna Stouder moved to accept the minutes as read; Frank McCormick seconded the motion that carried unanimously.

FUTURE MEETINGS

President Shaffer announced that the 2015 meeting would be held in Reno, Nevada, and he called on Chris Feldman to describe the meeting site. Chris presented a PowerPoint show that gave the members a sense of the venue for our 2015 meeting. The meeting site, The Grand Sierra, is 2 km from the airport. The opening reception will be held at the Museum of Art. A variety of activities are being planned for Reno, and we look forward to seeing everyone there.

The ASIH will meet in New Orleans, Louisiana in 2016. The meeting will be held in the Marriott Hotel on Canal Street.

AWARDS

Four ASIH awards were presented during the Plenary Session on day one of the Meeting. The Henry S. Fitch Award was presented to **Marvalee H. Wake**, who was not able to attend the meeting. **Bruce B. Collette** was the winner of the Joseph S. Nelson award. The Robert K. Johnson Award was presented to **Lawrence M. Page**. The Robert G. Gibbs, Jr. Award for 2014 was presented to **Naercio A. Menezes**, who was not able to attend the Plenary Session. The presentation speeches and photos of the winners will open *Copeia* 2015.

President Shaffer then presented the *Copeia* awards for Editor Beachy who had to leave the meeting early so he could attend a funeral. The 2013 *Copeia* paper award winners are:

BEST PAPER, HERPETOLOGY, Richard C. Bruce, "Size-mediated tradeoffs in life-history traits in dusky salamanders." *Copeia* 2013:262–268.

BEST PAPER YOUNG SCHOLAR, HERPETOLOGY, Vladimir Dinets, "Long-distance signaling in Crocodylia." *Copeia* 2013:517–526.

BEST STUDENT PAPER, HERPETOLOGY, Cheryl A. Bondi and Sharyn B. Marks, "Differences in flow regime influence the seasonal migrations, body size, and body condition of Western Pond Turtles (*Actinemys marmorata*) that inhabit perennial and intermittent riverine sites in northern California." *Copeia* 2013:142–153.

BEST PAPER, ICHTHYOLOGY, Donald J. Stewart, "Re-description of *Arapaima agassizii* (Valenciennes), a rare fish from Brazil (Osteoglossomorpha: Osteoglossidae)." *Copeia* 2013:38–51.

BEST PAPER YOUNG SCHOLAR, ICHTHYOLOGY, Windsor E. Aguirre, Virginia R. Shervette, Ronald Navarrete, Paola Calle, and Stergiani Agorastos, "Morphological and genetic divergence of *Hoplias microlepis* (Characiformes: Erythrinidae) in rivers and impoundments of western Ecuador." *Copeia* 2013:312–323.

BEST STUDENT PAPER, ICHTHYOLOGY, Sarah Z. Gibson, "Biodiversity and evolutionary history of †*Lophionotus* (Neopterygii: †Semionotiformes) from the western United States." *Copeia* 2013:582–603.

PRESENTATION OF GAIGE AND RANEY AWARDS

President Shaffer called on the Chair of the Gaige Committee, Nicole Valenzuela, to come forward to present the Gaige Award certificates:

Michael Britton, Florida International University. Amphibian physiology in the Andes: Insights into species-level responses to climate change.

Danielle H. Drabek, University of Minnesota. Characterizing binding affinities of coevolving proteins in didelphic marsupials and *Bothropis* vipers.

Meredith Fox, University of Utah. Go deep: Infrasonic vibrations of the American Alligator (*Alligator mississippiensis*).

Leah Jacobs, California State University, Northridge. Quantifying prezygotic and postzygotic reproductive isolation across divergent populations of the Neotropical treefrog (*Agalychnis callidryas*).

Sandy Kawano, Clemson University. Rise of the amphibians: What limb bone morphology can tell us about tetrapod evolution.

Melissa Miller, Auburn University. Are invasive phytons impacting native snakes through parasite spillover and spillback?

Ryan Seddon, Indiana State University. Do melanization, aggression, α -MSH correlate in *Sceloporus occidentalis*?

Jessica Thomas, Duquesne University. Suppression or redistribution: Examining the effects of testosterone on wound healing in a terrestrial amphibian (*Desmognathus ochrophaeus*).

Denita M. Weeks, The University of Memphis. Potential mitigation of amphibian disease with biopesticides: A natural unexplored strategy.

Kristin M. Winchell, University of Massachusetts Boston. Natural selection in an urban habitat: A mark recapture assessment of the tropical lizard *Anolis cristatellus*.

Michael Britton, Leah Jacobs, Ryan Seddon, and Denita Weeks came forward to claim their certificates. Congratulations to all 2014 Gaige Award winners. Best of luck with your research.

President Shaffer then called on the Chair of the Raney Committee, Michael Collyer, to come forward to present the 2014 Raney Awards:

Julie Butler, Louisiana State University. The impacts of anthropogenic sounds on fish behavior and reproduction (most excellent).

Justa Heinen-Kay, North Carolina State University. Honest sexual signals and local adaptation in endemic mosquitofish inhabiting Bahamian blue holes (most excellent).

Zachary Wolf, Austin Peay University. Do neighbors steal nests: Detecting spatial complexity of alloparental care in the imperiled egg-mimic darter (Percidae: *Etheostoma pseudovulvatum*) (most excellent).

Melissa Graham, Clark University. Evolutionary parallelism: The maternal stress response and offspring phenotypes (excellent).

Claire Hemingway, St. Edward's University. Adaptive behavioral syndromes as a potential mechanism of invasion and competitive abilities in two livebearing fishes (excellent).

Natalie Willard, St. Edward's University. Interactive effects of male harassment and female competition on cannibalistic behavior in the livebearing western mosquitofish (excellent).

Zachary Wolf came forward to accept his certificate. Congratulations to all the 2014 Raney Award winners. We wish you the best of luck with your research projects.

PRESENTATION OF STOYE AND STORER AWARDS

President Shaffer then called on Emily Taylor to come forward to announce the names of the Stoye and Storer judges along with the names of the 2014 winners. Emily was

the Co-Chair of the Student Awards Committee and served with Larry Allen, President-Elect. In 2014 the ASIH awarded Stoye Awards in Conservation, Ecology and Ethology, General Herpetology, General Ichthyology, Genetics Development and Morphology, and Physiology and Physiological Ecology. Storer Awards were presented for the best poster in herpetology and best poster in ichthyology.

The judges for the Stoye Conservation competition were Mark Davis, Jennifer Gumm, and Frank McCormick. The winner of the 2014 Stoye Award in Conservation is **Stephanie Chavez**, "Assessment of the impact of bycatch reduction devices on Diamondback Terrapin and Blue Crab catch."

The judges for the Stoye Award for Ecology and Ethology were Carl Anthony, Mollie Cashner, Michael Collyer, Paula Deaton, Ralph Saporito, Deanna Stouder, Tom Turner, and J. D. Willson. The winner of the 2014 Stoye Award in Ecology and Ethology is **Bonnie Ahr**, "Hierarchical habitat selection and utilization of White Croaker (*Genyonemus lineatus*) in the Los Angeles and Long Beach Harbor and the development of predictive habitat use models." The Stoye General Ichthyology judging team included Kevin Conway, Matt Craig, Phil Harris, and Brian Sidlauskas. The winner of the 2014 Stoye Award in General Ichthyology is **Andrea Thomaz**, "Species delimitation integrating morphological and genetic data with a Bayesian framework using iBPP: Application in the southeastern Brazilian species complex *Hollandichthys*." Mark Davis, Karen Lips, and Todd Jackman were the judges for the Stoye General Herpetology competition. The Award went to **Pascal Title**, "Niche evolution dynamics and their role in Australian reptile diversification." The judges for the Stoye competition in Genetics, Development and Morphology were Dominique Adriaens, Barry Chernoff, and James Van Dyke; the Stoye Award went to **Julia Schmidt-Petersen**, "Functional morphology of the jaw protrusion in Seamoths (*Eurypegus draconis*)." The judges for the Stoye Competition in Physiology and Physiological Ecology were Carol Britson, Diana Hews, and Rocky Parker. The Stoye Award winner in Physiology and Physiological Ecology for 2014 is **Corey Cates**, "Effect of moisture and substrate on egg water uptake and phenotypes of hatchling lizards (*Anolis sagrei*)."

The Storer judges for Best Poster in Herpetology were Kristen Cecala, Jennifer Dever, Chad Montgomery, Eric O'Neill, and Emily Taylor. The 2014 Storer Award winner in Herpetology is **Katherine O'Donnell**, "Evaluating effects of prescribed fire and timber harvest on *Plethodon serratus* in southeast Missouri." The Storer Ichthyology judging team included Hank Bart, Phil Hastings, Nathan Lovejoy, Luiz Rocha, and Jeremy Wright. The Storer Ichthyology winner is **Lynne Wetmore**, "Otolith stable isotopes as a natural marker quantifying relative contribution of outer- and inner-shelf nurseries for juvenile snappers in Belize." A hearty thanks is given to all of the judges and the Student Awards Committee Co-Chairs. Congratulations to all the 2014 student award winners.

President Shaffer called on Secretary Donnelly who called on Past President Bill Matthews to come forward and accept his Certificate of Appreciation for his term of service as our President in 2013.

SUBSTANTIVE RESOLUTIONS

President Shaffer then called Frank McCormick, Chair of the Resolutions Committee, to come forward to read the resolutions. The first three resolutions were brought to the

floor from the Conservation Committee of the ASIH. The AES adopted the resolutions, and the assembled members of the ASIH voted unanimously to adopt the three resolutions:

RESOLUTION FOR THORNY SKATE FISHERY REBUILDING.—WHEREAS the Northwest Atlantic population of Thorny Skate (*Amblyraja radiata*) is a straddling stock classified by the International Union for Conservation of Nature (IUCN) as Vulnerable off the east coast of Canada and Critically Endangered off New England, and

WHEREAS the Thorny Skate has been a prohibited species in the U.S. under the New England Fishery Management Council (NEFMC) Fishery Management Plan (FMP) for Skates since 2003 and yet biomass has since decreased, and

WHEREAS the NEFMC is planning to begin considering over the coming months amendments to its Skate FMP to promote Thorny Skate recovery, and

WHEREAS regional scientists and fishery managers have stressed the need for species-specific data from fisheries, as well as research into other factors affecting Thorny Skate abundance, and

WHEREAS the United States and Canada are Parties to the Northwest Atlantic Fisheries Organization (NAFO), and

WHEREAS NAFO has adopted an international total allowable catch (TAC) limit for the region's skate fishery (which takes primarily thorny skates), but has set the TAC at a substantially higher level than that advised by the NAFO Scientific Council, and

WHEREAS Canada is allocated a large share of the NAFO skate quota, yet imposes no species-specific safeguards for Thorny Skate, and

WHEREAS the NAFO Scientific Council's recent skate status review warns of low resilience to fishing mortality, reports little stock improvement, and advises fishery managers to ensure catches do not increase,

THEREFORE BE IT RESOLVED that the American Society of Ichthyologists and Herpetologists urges the U.S. and Canadian governments to elevate the priority of Thorny Skate research and additional safeguards to promote recovery at a national level, and to work in good faith with the European Union at the September 2014 NAFO annual meeting to secure a NAFO skate TAC that does not exceed the level advised by the NAFO Scientific Council (5,000t).

RESOLUTION REGARDING UNITED STATES SHARK-FINNING POLICIES.—WHEREAS the American Society of Ichthyologists and Herpetologists and most other technical experts have long supported the prohibition of at-sea shark fin removal to ensure proper enforcement of bans on shark finning (slicing off a shark's fins and discarding the body at sea) and to facilitate collection of species-specific catch data, and

WHEREAS the National Marine Fisheries Service (NMFS) enacted in 2008 a requirement that all sharks taken in Atlantic and Gulf of Mexico fisheries be landed with fins still naturally attached, and

WHEREAS the Shark Conservation Act (SCA) of 2010 extended the U.S. federal Atlantic shark fins-attached mandate to all U.S. federal fisheries and waters, with the exception of smoothhounds (*Mustelus canis*) within 50 nautical miles, to which an unsubstantiated, exceptionally lenient 12% fin-to-carcass weight ratio limit may apply, and

WHEREAS NMFS is still in the process of interpreting the rather complicated and confusing SCA text that suggests a

smoothhound exception, and is developing regulations accordingly, and

WHEREAS the Atlantic States Marine Fisheries Commission (ASMFC) chose not to wait for the NMFS interpretation of the SCA text and raised an existing 5% fin-to-smoothhound carcass ratio to 12% in 2013, and

WHEREAS NMFS has stated that requiring Smoothhound Shark fins to remain naturally attached through landing is necessary to facilitate enforcement and species identification, as the dressed carcass and detached fins of a smoothhound could be misidentified as a dressed carcass or detached fins of a small coastal shark, juvenile large coastal shark, or Spiny Dogfish, and

WHEREAS some Atlantic states also still allow the at-sea removal of the fins of the Spiny Dogfish (*Squalus acanthias*), under a 5% fin-to-carcass ratio, and

WHEREAS the ASMFC's Law Enforcement Committee in February 2014 reported unanimous agreement that fin-to-carcass ratio allowances for sharks processed at sea are not enforceable, and

WHEREAS the ASMFC will discuss in August 2014 potential actions with regard to Atlantic states still allowing at-sea removal of spiny dogfish fins under a fin-to-carcass ratio, and

WHEREAS loopholes in U.S. shark finning bans can damage ongoing U.S. efforts to promote fins-attached policies and other best practices for shark fisheries management in international fora,

THEREFORE BE IT RESOLVED that the American Society of Ichthyologists and Herpetologists urges the Atlantic States Marine Fisheries Commission, the National Marine Fisheries Service, and the United States Congress to take all available actions to immediately eliminate and prevent exceptions to U.S. bans on removing shark fins at sea for the Smoothhound, Spiny Dogfish, and/or any other shark species.

RESOLUTION FOR THE SMALLTOOTH SAWFISH.—WHEREAS the Smalltooth Sawfish (*Pristis pectinata*) is classified as Critically Endangered under the IUCN Red List of Threatened Species, and

WHEREAS the U.S. population of Smalltooth Sawfish (*Pristis pectinata*) was estimated in the late 1990s to have declined to less than 5% of presumed virgin levels, and

WHEREAS the U.S. Smalltooth Sawfish distinct population segment was listed as Endangered under the Endangered Species Act (ESA) in 2003, resulting in designation of critical habitat and development of a comprehensive recovery plan, and

WHEREAS scientific data suggest that Smalltooth Sawfish abundance in core areas of Florida is increasing since ESA listing, and

WHEREAS sawfish appear to be increasingly caught by recreational anglers and yet often mishandled (dragged to shore, lifted out of the water for photos, etc.), and

WHEREAS the fishery thought to be most lethal to sawfish (shrimp trawling off West Florida) is subject to exceptionally low levels of observer coverage (less than 2%), and

WHEREAS funding from the U.S. Congress for implementation of the sawfish recovery plan has been declining in recent years, thereby hampering implementation, and

WHEREAS programs suffering from such budget cuts include outreach and education of fishermen with respect to proper handling, release, and reporting, which are vital as the population and thus fishery interactions increase, and

WHEREAS the U.S. Smalltooth Sawfish Recovery Plan, if properly implemented, can be a vital model for initiatives to conserve endangered sawfish around the world,

THEREFORE BE IT RESOLVED that the American Elasmobranch Society urges the United States Congress to significantly increase funding for implementation of the Smalltooth Sawfish Recovery Plan, as well as for observer coverage for commercial fisheries taking sawfish as bycatch.

Frank McCormick then presented three additional resolutions. All three passed, but the resolution on Green Meetings was later retracted by the Executive Committee and the Board of Governors when it was brought to our attention that the processes described in the resolution were inaccurate. We are grateful to the Local Committee for correcting our actions prior to publication. The resolution for Jack Randall was presented after the meeting. The resolution was accepted unanimously by the Executive Committee and the Board of Governors via email voting.

The resolution on evolution generated a great deal of discussion and the original resolution was redrafted to a compromise language that was accepted by the assembled members.

RESOLUTION ON EVOLUTION.—WHEREAS the theory of evolution is the basis of all biological science including medicine, agriculture, and technology, and

WHEREAS the Tennessee legislature has passed an anti-science bill (House Bill 368) under the guise of academic freedom that makes the teaching of the theory of evolution more difficult and incorrectly suggests that the theory of evolution is scientifically controversial, and

WHEREAS Governor Bill Haslam has allowed this bill to become law,

THEREFORE BE IT RESOLVED that the American Society of Ichthyologists and Herpetologists, a scientific society that held a meeting in Chattanooga 30 July–3 August 2014, encourages the State of Tennessee to reverse this profoundly regressive law.

RESOLUTION FOR JACK RANDALL.—WHEREAS Jack Randall is a leading authority on coral reef fishes, and

WHEREAS Jack has described over 600 species and has authored 11 books and over 670 scientific papers and popular articles, and

WHEREAS Jack recently celebrated his 90th birthday, and

WHEREAS Jack went diving on his 90th birthday,

THEREFORE BE IT RESOLVED that the American Society of Ichthyologists and Herpetologists sends Jack its very best wishes on this milestone.

RESOLUTION FOR THE 2014 LOCAL COMMITTEE.—WHEREAS the membership enjoyed the unseasonably cool and pleasant weather at least for the first few days, and

WHEREAS the meeting rooms at the Chattanooga Convention Center were usually neither too hot nor too cold, and

WHEREAS the burgeoning downtown anchored by its signature aquarium treated our invading horde with grace, style, and a full measure of legendary southern hospitality not heretofore shown a group with so many Yankees in its ranks, and

WHEREAS the moon pies gave sustenance to people who could not sneak into the various business meetings to grab a free lunch,

THEREFORE BE IT RESOLVED that the ASIH extend their sincere gratitude to Anna George, Bernie Kuhajda, Josh Ennen, David Neely, Eric O'Neill, and the many wonderful volunteers supporting the local committee for being such wonderful hosts.

NON-SUBSTANTIVE RESOLUTIONS

The following resolutions were read during the final picnic. They are reported here because the Secretary did not take notes during the event held in Chattanooga.

RESOLUTION ON LONGEVITY.—WHEREAS the ASIH formally recognizes and laments the passing of its members at the BOG meeting, and

WHEREAS at the 2014 BOG meeting the practice of anticipating the potential future demise of its elected officials and presumably its members, and

WHEREAS graduate students hoping for future employment opportunities might appreciate the sentiment, but some of the other members find the new practice a bit grim,

THEREFORE BE IT RESOLVED that the American Society of Ichthyologists and Herpetologists wishes all of its members, elected officers, and guests good health, safe travels, and long life.

RESOLUTION FOR THE 2014 PRESENTATION OF THE NELSON AWARD.—WHEREAS the Joseph T. Nelson Award for Excellence in Ichthyology is now awarded at the JMIH each year, and

WHEREAS Bruce Collette was the 2014 recipient, and

WHEREAS the elected official responsible for transportation of the exquisite crystal award was unable to faithfully execute his duties, and

WHEREAS Larry's fragmentary appreciation of the significance of the award may have been construed as a slight against Dr. Collette,

THEREFORE BE IT RESOLVED that destruction of the Nelson Award was in no way related to the recipient's stern demeanor and/or tactics used to first delay and then prematurely accelerate the adjournment of the BOG meeting, and

BE IT FURTHER RESOLVED that the ASIH is committed to having Larry Allen deliver to Bruce Collette a full Nelson at the earliest possible time.

RESOLUTION FOR THOSE ON THEIR PHONES.—WHEREAS the proliferation of social media is aiding the efforts of the Joint Societies to disseminate information about the annual meeting, and

WHEREAS in an increasingly connected world members might be victim to a false sense of urgency about the need to respond to all emails, tweets, snapchats, Instagrams, and Facebook updates, and

WHEREAS the addition of the mobile app for the meetings has given us yet another reason to peer downward at our hand-held electronic devices, and

WHEREAS this has caused several members to walk directly into the easels directing them to session rooms, exhibits, and prep rooms, and

WHEREAS the medical profession has identified an orthopedic syndrome associated with heavy use of electronic devices know as tech neck,

THEREFORE BE IT RESOLVED that members are reminded as a matter of personal safety to watch where they are going and occasionally look up from their electronic devices because they may actually see a friend and colleague they had come to the meetings to see.

CONSTITUTIONAL CHANGES

President Shaffer then informed the members that the proposed constitutional changes circulated to the membership last spring were all accepted during the Board of Governors meeting. He then called for a motion to approve the constitutional changes. Bruce Collette moved to accept the proposed constitutional changes; Jacqueline Litzgus seconded the motion which passed unanimously.

ELECTION OF OFFICERS

President Shaffer then called on the Election Facilitators (Stephanie Benseman, Chris Chabot, Parker House, Edwin Leung, Corinne Paterson, Mike Schram, and Brenton Spies) to distribute the ballots. President Shaffer called for nominations from the floor. Hearing none, he called for a motion to close the nominations. Prosanta Chakrabarty moved to close nominations; Tom Munroe seconded the motion which carried unanimously. The results of the election were announced during the picnic and are reported here (an asterisk [*] denotes re-election of an incumbent officer): President-Elect: Maureen A. Donnelly; Secretary: Maureen A. Donnelly*; Treasurer: F. Douglas Martin*; Editor: Christopher K. Beachy*; Index Co-Editor: Cynthia Klepadlo*; Index Co-Editor: James W. Orr*; Ecology and Ethology Associate Editor: Jacqueline D. Litzgus*; Ecology and Ethology Associate Editor: Joel M. Snodgrass*; Ecology and Ethology Associate Editor: Jacob Shaefer*; General Herpetology Associate Editor: Michael J. Lannoo*; General Herpetology Associate Editor: Bryan L. Stuart*; General Herpetology Associate Editor: Jacob Kerby*; General Ichthyology Associate Editor: Donald G. Buth*; General Ichthyology Associate Editor: Thomas J. Near; General Ichthyology Associate Editor: Roberto Reis*; Genetics, Development, and Morphology Associate Editor: Terry Grande*; Genetics, Development, and Morphology Associate Editor: Dustin Siegel*; Genetics, Development, and Morphology Associate Editor: Wm. Leo Smith*; Physiology and Physiological Ecology Associate Editor: Karen L. Martin*; Book Review Editor—Herpetology: Robert E. Espinoza*; Book Review Editor—Ichthyology: Prosanta Chakrabarty*; Chair of the Nominating Committee: Theodore W. Pietsch; Nominating Committee Members: Tiffany Doan, Wm. Leo Smith, James Van Dyke. The herpetological members of the Board of Governors Class of 2019 are: Chris R. Feldman, Cari-Ann M. Hickerson, M. Rockwell Parker, Sara Ruane, Brian D. Todd. The ichthyological members of the Board of Governors Class of 2019 are: Kathleen S. Cole, Anna L. George, Phillip M. Harris, Eric J. Hilton, and Wm. Leo Smith.

OLD AND NEW BUSINESS

President Shaffer then called for any items of Old Business, hearing none he turned to New Business and recognized Jacqueline Webb who is the chair of the Ad Hoc Committee on *Copeia*. Jackie explained that the goals of the Ad Hoc Committee are to develop a strategy to improve the impact factor of *Copeia* and enhance the journals's reputation with regard to:

- 1) visibility, perception of the journal by ASIH members **and** by the larger scientific community
- 2) strategies for enhancing the range and quality of papers published
- 3) journal mechanics

Jackie pointed out that there is good news with regard to publication in *Copeia* including:

- First submission to first decision now has a mean of 56 days, which is a 35% drop from what it had been.
- Time from acceptance to online publication is ~4–5 months, and this will continue to improve (to <3 months) as Allen Press finishes its transition to online publication.
- It is now <1 year from submission to online publication, and it is anticipated that this will decrease to about 9 months.

Recommendations of the Ad Hoc Committee (if you have questions, contact Jacqueline Webb):

- 1) Efforts being made to reduce the numbers of DOIs occupied by “backmatter” in the journal, to eliminate the artificial depression of the impact factor by this material.
- 2) We will be much more proactive in soliciting high quality, high impact papers by established people. Collectively, we all need to put our money where our mouth is—we encourage all of you to submit really good, solid papers to *Copeia*, soon.
- 3) We will encourage maintenance of the Wikipedia and Facebook pages associated with our journal.
- 4) A new *Copeia* webpage will be developed as a NEW, information rich webpage within the ASIH website. It will provide all the sorts of information comparable to that presented by other journal’s websites, such as those published by Wiley.
- 5) We have recommended a new expanded Aims and Scope statement for *Copeia* that presents the mission of *Copeia* (taken from statements already on the ASIH website).
- 6) We recommend the establishment of “Virtual Issues” on topics of interests. These would be collections of papers published in *Copeia* over the years, the links for which would be on the *Copeia* home page. The *Journal of Morphology* is currently implementing a similar feature on their website. Papers in Virtual Issues at the *Journal of Morphology* website experience high levels of downloads, so this sort of thing can only enhance *Copeia*’s visibility.
- 7) We are recommending that the Editor send out periodic “*Copeia* Updates from the Editor” to keep all of you posted on the continuing efforts to improve *Copeia*, and on publication trends.
- 8) With reference to journal mechanics—we are looking into:
 - a. Re-instituting the sharing of reviews among the reviewers for a given paper

- b. Continuation of the categorization of the contents of each issue on the *Copeia* website to demonstrate the breadth of topics published in *Copeia*
- c. Providing free PDFs for authors of their paper
- d. Publishing of supplementary files online
- e. Open Access Option—for a moderate cost

- 9) We are strongly recommending all color free online.
- 10) FINALLY, we will be sending out a survey to the entire ASIH membership to seek out opinions about what is working/what is not working, and future efforts to enhance *Copeia*. We want your feedback, so please respond when you receive this survey via email.

The ad hoc committee will review the survey results, and continue to work with the Editor to insure that all of these recommendations are carried out.

President Shaffer then recognized G. David Johnson who asked if the presentation of the ASIH Awards could be pushed to the latter part of the plenary session in the future.

President Shaffer then recognized Malorie Hayes who informed the membership that there were many interested graduate students who want to help the society. She asked the leaders to add students to their committees.

The Annual Business Meeting was adjourned at 7:50 pm.

MEETING STATISTICS

The meeting statistics were presented during the final picnic and are summarized here for the record. A total of 948 attendees were nearly evenly split between professionals (468) and students (459). Eleven exhibitors were in Chattanooga. The SSAR sponsored two students to attend the meeting, and four members of the press were on site. The 2014 JMIH attendees hailed from 22 countries: Argentina, Australia, Bahamas, Belgium, Brazil, Canada, China, Colombia, Cuba, Germany, Japan, Mexico, New Zealand, Portugal, Saudi Arabia, Singapore, South Africa, Spain, Sweden, Switzerland, United Kingdom, and the United States.

The ASIH student raffle was a smashing success, and the addition of the square card reader helped them earn nearly \$1000 more than they earned last year. The students brought in \$3018.00 in checks and cash, and the card reader proceeds were \$1352.43. The ASIH will match the \$4370.43 to the Clark Hubbs Travel Fund. Thanks to everyone who helped out by purchasing raffle tickets and congratulations to new technology helping us raise funds for our student members.

Respectfully submitted,

Maureen A. Donnelly
 ASIH Secretary
 Miami, FL
 24 September 2014