FALL COUNCIL MEETING
Saturday, November 9, 2013;  9:30 a.m.-12:30 p.m.
Indiana State Museum, 3rd floor, Foundation Conference Room

AGENDA

OPENING / ADOPTION OF THE AGENDA  Dale Edwards

MINUTES  Mike Foos

REPORTS:

Council Reports:
1. President’s Report  Dale Edwards
2. Secretary’s Report  Mike Foos
3. Treasurer’s Report  Ed Frazier
4. Member at Large (Cont’d of discussion re: Youth Prog)  Marcia Gillette
5. Member at Large (Parliamentary questions for Council)  Mike Foos
6. Executive Director  Delores Brown

Elected Standing Committee Reports:
1. Academy Foundation Committee  Stan Burden

Appointed Standing Committee Reports:
1. Awards Committee  Marcia Moore
2. Editorial Board/Proceedings Editor  Uwe Hansen
3. Nominations/Elections Committee  Delores Brown
4. Publications Committee/Spec. Pub Editor  Bill McKnight (written)
5. Science and Society Committee  Delores Brown
6. Youth Activities Committee  Patty Zeck (written)
   - Junior Grants Sub-Committee Report  Alice Heikens (written)
7. Biodiversity/Natural Areas Committee  Don Ruch

Appointed Position Reports:
1. Academy Rep to AAAS  Delores Brown
2. Academy Rep to Indiana Natural Resources Com  Don Ruch
3. Librarian  Jocelyn Lewis
4. Webmaster  Mike Foos

NEW BUSINESS


ANNOUNCEMENTS

ADJOURNMENT
Council Minutes
of
November 9, 2013 Meeting
Foundation Conference Room, Indiana State Museum, Indianapolis, Indiana


Called to order: 9:30 AM.

OPENING / ADOPTION OF THE AGENDA
Dale Edwards
Agenda adopted as printed.

MINUTES
Mike Foos
March 8, 2012 Council minutes posted on the IAS website approved via email.

Council Reports:

President’s Report
Dale Edwards
Dale reported activities of President – Subaru program great, he met with section chairs, attended the Talent Search which was well done, worked on contract with State Library that is ongoing.

Secretary’s Report
Mike Foos (Attached)
Reported that the minutes and Proceedings were on the web.

Treasurer’s Report
Ed Frazier (Attached)
Dues are coming in for fall. Ed pointed out the details of the Treasurers report and highlighted the items of importance. We are in a good financial situation.

IAS/State Library On-line Proceedings
Jenny Johnson (IUPUI)
Report on the online archives of the Proceedings. OJS system used to interface the archives. Jenny demonstrated the use of the on-line archives hosted by IUPUI.

Discussion of the Youth Program
Marcia Gillette
Few schools participate. There is concern about the way student reports were created. There is also a concern that very few teachers mentor projects. What should we do? Is there something we can do? Perhaps there are opportunities we could pursue.

Parliamentary Questions for Council
Mike Foos (Attached)
Bylaw questions:
Four items were brought to the Council to determine whether bylaws changes were warranted:
Science and Society suggest “maximum of 3 members” vote to be by email
Finance Committee suggest add “Treasurer as ex officio without vote” vote to be by email
Proceedings Editor term no change
Composition of Proceedings Editorial Board no change

Non-bylaws questions:

Items dealing with election cycles were brought to the Council for discussion:
Election to positions of Academy Foundation and Treasurer:
To fill the positions and retain the election cycle the 2014 elections Foundations Committee
election will have both 2 and 3 year nominees for election. The election for Treasurer will be in
2014.

Executive Director Delores Brown
Discussed online proceedings and youth activities, highlighted the 2014 meeting and the
expenses of the 2013 meeting, outlined progress in preparations for the meeting, discussion of
additional sections either on Friday evening or during Saturday at the 2014 meeting, agenda for
the meeting was fine tuned.

Elected Standing Committee Reports:
Academy Foundation Committee Stan Burden (Attached)
Overview of the foundation accounts and emphasized that accounts are structured within
the Foundation to make income match expenditures.

Research Grants Luke Jacobus (Attached)
There has been a recent change in chairmanship. This past year 20 grants were funded in
spring, 12 grants were funded in fall. Overall the number of submissions was down. There is a
need to discuss modification in the final reporting system. Conflicts of interest must be stated
and mechanisms to reduce conflicts and the appearance of conflicts must be in place. We should
examine how awards are distributed to institutions. We need to examine the scoring system used
to evaluate grant applications. The requirements for grant need to be enforced. There appears to
be a problem that some individuals join the Academy solely to be eligible for grants. The
language used in the grants program should be edited and clarified. The scoring rubric and final
reports should be posted on the web. The responsibilities of the Chair might be clarified and
codified. The process of reporting needs to be updated to clarify the mechanisms of submission
and content of the financial and science reports. Large school – small school issues should be
clarified and stated.

Suggested bylaw change to add “The past chair shall serve in a non-reading, non-voting, ex-
ofﬁcio member for one year after termination of the elected term, if the term ends while member
is chair.” This proposal will be voted on by email.

Appointed Standing Committee Reports:
Awards Committee Marcia Moore (Attached)
The Committee was created in spring 2013. Marcia reported that the committee created
staggered terms, and accepted the charge to the committee as that from the old bylaws. A bylaw
change to the eligibility of Emeritus member by changing “A member, who is 65 years of age or
over, is retired, and has been a member of The Academy for 25 years or more” by adding “active” before member and changing “25” to “15” years. A vote will be held via email. An Operating Policy change that “Only fellows can recommend fellows and fellows elected by Council, students may not be fellows.” was proposed. – Vote passed by voice vote, 1 negative vote. A the possibility of updating the web to function as gatekeeper to the emeritus membership was discussed. A recommend financial stipend for distinguished scholar and distinguished service award. Did Not Pass.

Editorial Board/Proceedings Editor Uwe Hansen (Attached)

The Editorship is being transferred to Don Ruch and Paul Rothrock beginning with volume 123; as of 2014. Uwe created a review board to serve for the remainder of his term. Next issue is under review and Uwe hopes to include a biography. Don will step down from Newsletter editor as soon as practical after the Editor position begins.

Nominations/Elections Committee Delores Brown

Reported that the nominees are set for the upcoming year’s elections.

Science and Society Committee Delores Brown

We have supported CSI for the past multiple years. Continue to support CSI was suggested at a level of $20,000. Discussions with Conner Prairie to offer “Science Cafes” are underway.

Grantee Presentation (WFYI) Alan Carmack and Rick Crosslin

Twelve “Indiana Expeditions” online programs were created and are uploaded to PBS web and are also available on many different formats including DVD, YouTube (free). Alan and Rick showed and narrated two of the programs that were created under the sponsorship of IAS.

Publications Committee/Spec. Pub Editor Bill McKnight (Attached)

State legislation about support for the IAS Proceedings was discussed. There were several questions about the effect of these changes on our collections. How do we collect and maintain the IAS collections in the State Library. We need to evaluate what we have in the collections. The Publications Committee should review and cull the holdings. Delores will report to the State Library.

Youth Activities Committee Patty Zeck (Attached)

Written report accepted.

Junior Grants Sub-Committee Report Alice Heikens (Attached)

Written report accepted.

Biodiversity/Natural Areas Committee Don Ruch (Attached)

Information from a BioBlitz at Conner Prairie is being prepared for publication. Marcia Moore is actively working on natural history database. Work on an upcoming BioBlitz at Eagle Marsh for 2014 is underway.
Appointed Position Reports:

Academy Rep to AAAS     Delores Brown
   Delores will be attending the AAAS meeting in Chicago.

Academy Rep to Indiana Natural Resources Com     Don Ruch (Attached)
   Multiple Nature Preserves added this year. Walnut canker disease is migrating to
   Indiana.

Librarian       Jocelyn Lewis (Attached)
   The state of the collection was described. National exchanges have been completed for
   this year and Jocelyn is in the process of doing international exchanges. This year we will be
   charged postage.

Webmaster       Mike Foos (Attached)
   A discussion of creation of web based Academy store resulted in a consensus that we
   examine how Academy items sell at the spring meeting and then revisit the need for a web based
   store.

   A proposal that the web be updated to function as gatekeeper to the emeritus membership at a
   cost of $300 was discussed and the proposal was passed by voice vote.

NEW BUSINESS
None

ANNOUNCEMENTS

Mike Finkler’s brother passed away.
State Museum letter of thanks for support of the Ice Age Giants exhibition. ($5000)

ADJOURNMENT - 1:30 PM

Submitted by,
Michael Foos, Secretary
## Indiana Academy of Science
### Income and Expense Report
#### June through October 2013

**Cash Basis**

<table>
<thead>
<tr>
<th>Income</th>
<th>Jun - Oct 13</th>
<th>Budget</th>
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</thead>
<tbody>
<tr>
<td>01-000 · OPERATING FUND REVENUE</td>
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<tr>
<td>01-100 · Dues</td>
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<tr>
<td>01-101 · Member</td>
<td>2,450.00</td>
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<tr>
<td>01-102 · Sustaining Member</td>
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<td>01-104 · Student</td>
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<td>01-107 · Institutional Member</td>
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<td>01-108 · Corporate Members</td>
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<td>01-109 · Emeritus Member</td>
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<td><strong>Total 01-100 · Dues</strong></td>
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<td>01-110 · Annual Meeting</td>
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<td>01-111 · Member Registration</td>
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<td>01-113 · College Student Registration</td>
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<td>01-115 · Nonmember Registration</td>
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<td>01-131 · Savings Account</td>
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<td><strong>Total 01-130 · Interest</strong></td>
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<td>01-150 · General Fund</td>
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<td><strong>Total 01-140 · Contributions</strong></td>
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<td>01-160 · Misc. Income</td>
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<td>01-170 · Transfer from Foundation</td>
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<td><strong>Total 01-000 · OPERATING FUND REVENUE</strong></td>
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<td>02-000 · PROCEEDINGS REVENUE</td>
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<td>02-100 · Transfer from Foundation</td>
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<td>04-000 · PUBLICATIONS REVENUE</td>
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<td>04-100 · Transfer from Foundation</td>
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<td>04-220 · Academy Publication Sales</td>
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<td>04-222 · Orchids of Indiana</td>
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<td>04-224 · Plants of the Chicago Region</td>
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<td>04-225 · Plain Ol’ Charlie Deam</td>
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<td>04-226 · Nat. Regions of Indiana Map</td>
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<td>04-229 · Amph. &amp; Reptiles of Indiana</td>
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<td>04-220 · Academy Publication Sales - Other</td>
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<td>04-232 · Natural Heritage of Indiana</td>
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<td>04-234 · Fishes</td>
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<td>04-239 · Wildflower Poster</td>
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<td><strong>Total 04-230 · Nonacademy Publication Sales</strong></td>
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<td>04-240 · Postage &amp; Handeling</td>
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<td>04-250 · Other Publications</td>
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<td>04-251 · Ferns &amp; Wildflowers</td>
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<td>04-253 · Dragonflies of Indiana</td>
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<td>04-254 · Sunflowers of Upper Midwest</td>
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<td>04-255 · Cicadas</td>
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<td>04-256 · Trees of Indiana</td>
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<td>04-257 · Sedges of Indiana</td>
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<td>04-258 · Hand Lenses</td>
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<td>04-259 · Fishes of Indiana</td>
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<td><strong>Total 04-250 · Other Publications</strong></td>
<td><strong>1,309.90</strong></td>
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## Income and Expense Report

**Indiana Academy of Science**  
**June through October 2013**  
**Cash Basis**

### Income

<table>
<thead>
<tr>
<th>Description</th>
<th>Jun - Oct 13</th>
<th>Budget</th>
</tr>
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<tbody>
<tr>
<td><strong>Total 04-000 · PUBLICATIONS REVENUE</strong></td>
<td>4,194.63</td>
<td>17,500.00</td>
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<td>04-260 · Misc. Publications</td>
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<td>04-262 · Trees (Weeks)</td>
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<td><strong>Total 04-260 · Misc. Publications</strong></td>
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<tr>
<td><strong>Total 05-000 · RESEARCH GRANTS REVENUE</strong></td>
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<td>05-100 · Senior Academy Grants</td>
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<td>05-110 · Transfer from Foundation</td>
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<td>05-130 · Returned Grants</td>
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<td><strong>Total 05-100 · Senior Academy Grants</strong></td>
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<td>05-300 · High School Student Grants</td>
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<td>05-310 · Transfer from Foundation</td>
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<td><strong>Total 05-300 · High School Student Grants</strong></td>
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<td>05-400 · IAS Talent Search</td>
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<td><strong>Total 05-400 · IAS Talent Search</strong></td>
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<td>05-500 · IAS Junior Academy</td>
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<td>05-510 · Transfer from Foundation</td>
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<td><strong>Total 05-500 · IAS Junior Academy</strong></td>
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<td><strong>08-000 · WELCH FUND REVENUE</strong></td>
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<td>08-100 · Interest</td>
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<td><strong>Total 08-000 · WELCH FUND REVENUE</strong></td>
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<td><strong>11-000 · SPECIAL PROJECTS REVENUE</strong></td>
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<tr>
<td>11-400 · Celebrate Science Day</td>
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<td><strong>Total 11-000 · SPECIAL PROJECTS REVENUE</strong></td>
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<tr>
<td><strong>Total Income</strong></td>
<td>114,884.18</td>
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### Expense

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<th>Description</th>
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<tbody>
<tr>
<td><strong>01-600 · OPERATING FUND EXPENSES</strong></td>
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<tr>
<td>01-610 · Officer Expenses</td>
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<tr>
<td>01-611 · President</td>
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<td>01-615 · Executive Director</td>
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<td>01-615a · Payroll</td>
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<td>01-615b · Payroll processing</td>
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<td>01-615c · Payroll tax</td>
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<td>01-615d · Secretary</td>
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<td>01-615e · Utilities</td>
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<td>01-615f · Travel</td>
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<td>01-615h · Rent</td>
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<td>01-615i · Contractual Services</td>
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<td>01-615j · Professional Development</td>
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<td><strong>Total 01-615 · Executive Director</strong></td>
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<td><strong>Total 01-610 · Officer Expenses</strong></td>
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<td>131,950.00</td>
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<td><strong>01-620 · Operating Expenses</strong></td>
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<tr>
<td>01-621 · General Supplies</td>
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<td>01-622 · Postage</td>
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<td>01-623 · Marketing</td>
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<td>01-624 · Council expenses</td>
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<td>01-626 · Directory</td>
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<td>01-627 · Membership Expense</td>
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<td>01-628 · Ex. Director Office Expense</td>
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<td>01-629 · NAAS Dues &amp; Misc. Expenses</td>
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<td><strong>Total 01-620 · Operating Expenses</strong></td>
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<td><strong>01-630 · Financial Expenses</strong></td>
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## Indiana Academy of Science
### Income and Expense Report
#### June through October 2013

**Cash Basis**

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<thead>
<tr>
<th>Jun - Oct 13</th>
<th>Budget</th>
</tr>
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<tbody>
<tr>
<td>01-631 · Bond Insurance</td>
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<td>01-632 · Accounting Expenses</td>
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<td>01-633 · Liability Insurance</td>
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<td><strong>Total 01-630 · Financial Expenses</strong></td>
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<td>01-640 · Annual Meeting</td>
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<td>01-641 · Program Book</td>
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<td>01-642 · Meals</td>
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<td>01-643 · Other Expenses</td>
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<td>01-644 · Audiovisual expense</td>
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## Income and Expense Report

**Indiana Academy of Science**  
**Income and Expense Report**  
**June through October 2013**

### Jun - Oct 13 vs. Budget

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<th>Description</th>
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<th>Budget</th>
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<td>12-620 · Expenses</td>
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Parliamentary Questions for Council

Bylaws to be considered and recognized, or changed.

1. Science and Society Committee - Should we change the bylaws to add additional members?

2. Finance Committee - Should we change the bylaws to add Treasurer as ex officio?

3. Proceedings Editor - Should we change the bylaws for the term of the Editor from 3 years to 2 or 4 years?

4. Proceedings Editorial Board - Should we change the bylaws to change the selection process of the editorial board and populate it with Section Chairs?

5. Emeritus - Should we change the criteria in the bylaws for emeritus members (Article III, Sec. 2, No. 5): from “25 years” to “15 years” and from “membership” to “active membership” (see Awards Committee Report)?

6. Nomination of Fellows - Should we change the process in the bylaws of Fellows nomination (Article III, Sec. 2, No. 9) to include role of the Awards Committee (see Awards Committee Report)?

Note: As a result of the action of the Council (creating the Awards Committee), in consultation with Ed Frazier, parliamentarian, the text of the bylaws has been changed to include the Awards Committee as an Academy Committee and to add the Awards Committee chairperson to the list of members of the Budget Committee, these being non substantive changes.

Non Bylaws items.

1. Should we accept and recognize the Awards Committee process to establish rotating membership on that committee.

2. A member’s term on the Academy Foundation Committee has expired, how should that position be filled?

Explanation of item 2:
As I was uploading information from the 2013 Yearbook to the website I noticed an anomaly in the membership of the Academy Foundation Committee. This note is to provide an opportunity to consider what to do prior to the November Council meeting.

I examined the minutes of the Council/Executive Council and Business meetings over the past several years. The bylaws state that the Academy Foundation Committee consists of 3 members with rotating 3 year terms; one member is to be elected each year. From the minutes of past meetings it appears that there were no elections for members to the Academy Foundation Committee during 2009, 2010 or 2013. It seems that we need to get the election cycle back on
schedule and elect members to the Academy Foundation Committee on a rotating basis with one member being elected each year; we also need to fill the vacancy on that committee.

Stan Burden was elected in the spring of 2011 to serve 2011-2014; Tom Dolan was elected in the spring of 2012 to serve 2012-2015. Wendell McBurney a long time member of this committee was last elected in the fall of 2008 (term 2009 - 2011).

Wendell McBurney’s term is listed in the new Yearbook as expiring in 2013. As the 2013 election has passed, to get us back on the appropriate election schedule of electing one member each year, with a relatively small amount of hassle, we should do whatever is appropriate (ask, elect, appoint) to have Wendell serve the 2013-2016 term on the Academy Foundation Committee. If it is not appropriate to make such an emergency appointment and it is more appropriate to hold an election we could elect two members in the spring of 2014; one for a 2 year term and the other for a regular 3 year term, or we could have a special election using the website this fall.
The information for this report is based on the September 30, 2013 statement of the Academy positions from Merrill Lynch.

Overall Summary

The total of the assets in the IAS accounts is $8,220,563.21. This represents a small decrease of $1,726.42 (-0.021%) from the February 24, 2013 total of $8,222,563.21 as reported in the last Report to the Council dated February 25, 2013. However, this total still represents an increase of $103,480.89 (1.3%) over the portfolio value approximately 11 months ago, on October 31, 2012 of $8,117,082.32. The total Estimated Annual Income for 2013 is expected to be approximately $249,192. This amount will vary with market performance but in general the income is being increased over previous years due to the increased budget needs of the Academy. Over the past two years The Foundation Committee has been selling equities and buying fixed income investments in order to generate enough income to cover the increased approximately $250,000 budget needs. However, because of the changing economic conditions relative to fixed investments, on the advice of Merrill Lynch in May of 2012, we are now beginning to sell fixed investments and buy dividend paying equities. Our advisors believe that the total returns on bonds will be considerably lower in the next year or two due to the expected rise in interest rates and accompanying fall in bond prices. However, they expect equities to continue to perform reasonably well and dividend paying equities will continue to provide needed income as well as perhaps gain value. A new fund, called the PIA Strategic Income fund, is being established to hold and manage these dividend paying equities. Also upon the advice of Merrill Lynch, we are taking any difference between the Annual Income and the budget needs from the corpus of the Academy accounts. Normally these funds will come from the PIA Growth fund, as a temporary means of handling the transition to the new budget requirements and adapting to the changing economic conditions. The overall average annual Rate of Return experienced by Academy funds since transferring our accounts to Merrill Lynch in 1999 is 3.4% as of October 31, 2012. This relatively low rate of return is due primarily to the fact that the market value of the portfolio in 1999 was at a peak when it was transferred to Merrill Lynch and then it experienced two recessions. In 2012 the rate of return was considerably above that average as it was approximately 9.7% ($8,050,251.71 + $95,966.41 in withdrawals on 12/31/2012 compared to $7,428,390.49 on 12/31/2011). Comparable data for 2013 will not be available until after the end of the fiscal year in December 31, 2013.

John S. Wright Fund (2CL-04004)

This fund has historically been used to generate interest and dividend income primarily from fixed investments. As of May 2013, however, it is the account from which the majority of fixed interest investments are being sold. The principle cannot be spent. The earnings are placed in the Invested Income account and those funds and associated earnings are used to support the Academy budget needs. This account currently holds $1,776,572.47 compared to $3,377,782.47 on February 24, 2013. This is a $1,601,210.00 (-47.4%) decrease. The decrease is primarily due to the selling of fixed investments as well as the decreasing market value of the fixed investments currently held.

Invested Income Account (2CL-04005)

Both the principle and earnings of this account are available for IAS research support. After consultation with legal counsel regarding interpretation of the J. S. Wright will, Executive Committee and Council actions during 2010 extended the possible use of these funds to include additional activities deemed essential to Academy functions such as support for the full time Executive Director and the accompanying secretarial and office support. Currently this account contains $631,021.41 compared to $638,063.05 in the February 25, 2012 report. This represents a decrease of 1.1%. This is the account to which all of the expenses of the senior Academy are charged including expenditures for research grants for which a major withdrawal was made subsequent to the February 25, 2013 report.

Academy Foundation Account (2CL-04006)

This account is intended to be self-sustaining and is used to support Junior Academy functions. Currently it contains $280,658.49 compared to $283,395.40 in the February 25, 2013 report. The majority (~75%) of this is in Fixed Income investments while the balance is in Cash/Money Accounts.

PIA Equity Account (613-04074)
This Personal Investment Advisory (PIA) account was begun with money from the John S. Wright fund and is intended primarily for growth. It contains a total of $3,164,094.79 in assets with ~80% of these being invested in equities, ~10% in fixed income instruments and ~10% in cash and other investments. This total compares to $3,923,048.71 in assets listed in the February 25, 2013 report. This is a decrease of $758,953 (-19.3%) since February 25, 2013. This decrease is due to two main factors: (1) market performance and (2) withdrawal of funds to support annual budget needs deficit. These totals are net of the approximate 0.89% advisory fee incurred for this account. Although technically not so, these funds are essentially part of the John S. Wright Fund; therefore, the principle should not normally be spent but the dividend and interest earnings can be transferred to the Invested Income account. However, this is the account from which, on a temporary basis, the difference between budget needs and interest and dividend income received for 2013 is being taken. The Foundation Committee views this increased draw from the corpus as unsustainable over a long period but is being used temporarily due to the rapid increase in Academy budget needs and until sufficient fixed income vehicles can be purchased at reasonable rates and income generating capacity to support the budget. This process is considered to be more prudent than merely selling substantial amounts of investments from the Invested Income account since the majority of these are fixed income investments the market value of which is decreasing. These are currently being liquidated as they come due rather than as the cash is needed.

PIA Strategic Income Account (613-02598)

This is the new account established in May 2013 to hold and manage the dividend paying equities purchased by the sale and/or maturity of fixed investments. Currently this account has a value of $2,368,216.15. This account is being actively managed and has a 0.89% fee similar to the PIA Growth Account.

Respectfully submitted,

Stan Burden
Chair, Foundation Committee
Date: November 9, 2013

Report from the Senior Grants Committee to the Academy Council

Committee Chair: Luke Jacobus

Committee Members (List Names):
Punya Nachappa
Daniel Bauer
Melody Myers-Kinzie
Horia Petrache
Richard Fitch
Michale Foos (ex-officio)

Committee Meeting(s) (via telephone, electronically, or physical)
Numerous electronic meetings throughout the year, especially early March–mid May and early October – early November

Items Discussed:
Selected recipients for the spring and fall 2013 Sr Grants
Discuss modifications, extensions and problems with current awards as communicated by awardees
Problems with current awardee final reporting structure
Challenges facing committee regarding conflicts of interest
Strategies of selecting awardees and the resulting distribution of awards to institutions
Development of common scoring rubric
Increasing transparency of evaluation process

Concerns (if any):
The present final reporting procedure and structure is outdated and flawed. Stated requirements often are not enforced.
One committee member served as sponsor for two highly-rated proposals
Historically, the committee has favored awards to smaller institutions.
Proposal ranking and final decision making has been mysterious and therefore questionable to those outside the committee.
There has been a great deal of recent turnover in the committee.

• Recommendations to address the concerns:
An online, more or less automated final reporting environment should be created, if final reports from the investigators and not just the financial officers of institutions, still are desired. Should these reports be made public?

Consider explicit language in our guidelines to express what is meant by “research group” and how the committee shall handle proposals submitted by or sponsored by fellow committee members.
Consider explicit language in our guidelines to state whether certain institutions are favored over others or not.

Develop and post a common scoring rubric and comment sheet to be used by all proposal reviewers.

The past chair shall serve in a non-reading, ex-officio status for one year after termination of the elected term, if the term ends while member is chair.

**Interest(s):** (New ideas the Committee is or has interest in exploring and/or executing)

Increased involvement of sections in evaluation process, in order to distribute awards across disciplines and to have proposals evaluated by appropriate experts.

**Action needed on the part of the Council:**

Funding for creating a better reporting system.  
Funding for creating a system of checks when proposals are submitted (current membership, all past reports submitted, etc.).  
Modify language about committee composition (ex-officio status of past chair) and put to vote of membership.

**Timeline considerations:**

The next round of grant proposal evaluations will begin in early March.
Date:  October 22, 2013

Report from the  Awards Committee  to the Academy Council

Committee Chair:  (Name)  Marcia Moore

Committee Members (List Names):

Mike Foos
Bill Gommel
Jim Plew
Don Ruch

Committee Meeting(s) (via telephone, electronically, or physical)

September 9, 2013

October 7, 2013

Items Discussed:

1) Committee Structure and Function
We recommend to the Council that the Committee be designated as an appointed committee, and the members have staggered terms so that over the 3 year term two members are appointed in each of two years and one member is appointed in the third year, and that members may be reappointed. Members are to be appointed from both the physical and biological sciences. It was decided that this committee be staggered as follows: Mike Foos term expires in 2014, Bill Gommel and Don Ruch terms expire in 2015, and Marcia Moore and Jim Plew terms will expire in 2016.

2) Charge of the Awards Committee
No charge was given to the Awards Committee when it was created March 8, 2013. The committee believes that the old bylaws (prior to 2010) provide an appropriate charge and accepted this charge as originally published: "The Awards Committee shall consist of five Fellows of the Academy. The committee shall receive petitions for emeritus membership status and recommend those eligible for this membership status to the Council. The committee shall present to the Council recommendations for any member to be honored by election to the status of Fellow. The committee shall recommend to the Council recipients for special awards." The Council should accept, modify or replace this charge to the committee.

3) Emeritus Membership
See below under Action needed on the part of the Council

4) Fellows Awards
See below under Action needed on the part of the Council
5) Distinguished Scholar and Special Service Awards
After an initial nomination, email will be used to obtain letters from individuals supporting the nominee. Minimum of 5 supporters will be required. The deadlines for these awards would be the same as for Fellows – December 1 for 2013, October 15, beginning 2014 and thereafter. One award (or multiple awards under special circumstances) for each award category would be made each year. Members of the Academy may submit nominations to the Awards Committee. Nominations for awards need to be supported with adequate documentation. Nomination forms will be created and edited by the Awards Committee. Nominations will be received using the website dropbox outlined in the procedure for Fellows, or may be mailed to the Chair of the Awards Committee. Recipients of these awards receive engraved plaques. It would be possible for an individual to receive each award more than once. As with Fellows, these awards can be approved by the Council at the November meeting and awarded at the following Annual Meeting in March. We propose to the Council that a modest financial award be given to each recipient - See below under Action needed on the part of the Council.

6) Other Business
Other business discussed by this committee was the possibility of creating new award categories. For example, a young scholar award might be considered. This raises questions about tenure in the Academy. Would time be considered in Indiana, within 10 or so years of receiving a terminal degree? We will deliberate on this possibility of new awards during the upcoming year.

The Awards committee will conduct business by reading and approving minutes and nomination forms by email and conference calls.

Concerns (if any):

- Recommendations to address the concerns:
  Stated below under Action needed on the part of the Council.

Interest(s): (New ideas the Committee is or has interest in exploring and/or executing)

The possibility of creating new award categories

Action needed on the part of the Council:

1) Emeritus Membership
We recommend to the Council changes in the criteria for Emeritus status (Article III, Sec. 2, No. 5 of the Bylaws). Change years of membership from 25 to 15; change “membership” to state “active membership”. Have the website updated so that approval is required by the Awards Committee before a member can become an emeritus member. The Committee has created an appropriate submission form for a prospective emeritus to submit to the Awards Committee.
2) Fellows Awards

We recommend to the Council the following changes in how Fellows will be nominated and approved (Article III, Sec. 2, No. 9 of the Bylaws. We recommend that (a) only Fellows can recommend members to become Fellows, and (b) that members recommended for election by the Awards Committee be elected as Fellows by the Council (not having the entire membership elect Fellows as in the past). Students may not be elected as Fellows. We also recommend that the Council accept the following *Guidelines for Fellows

Recommendations Adopted for 2013 (from previous guidelines altered in 2011):

A fellow is defined as “a member with recognized standing as a scientist who has contributed to the objectives of the Academy, and has been recognized and approved by the Council.” The title of Fellow is awarded as an honor. The CV should include details about the length of membership in the Academy (minimum of 5 years); the nature of service to the Academy and to the advancement of science in Indiana; service to education in science; and achievements in scientific research. Nature of service to the Academy means attending IAS meetings, presenting papers at meetings, publishing in the Proceedings, serving as an officer, as a committee chair, as a committee member; playing a role in organizing Academy functions, etc.

Nominations for Academy Fellows are to be submitted no later than December 1st of 2013; October 15 beginning in 2014. A nomination must include a completed form, letter of recommendation and a CV emphasizing qualifications of the nominee Academy activities. The nominations are submitted to the website of the Academy >Member Center > Document Sharing>DepositBox>Awards (https://www.indianaacademyofscience.org/SpecialPages/DocumentSharing.aspx?FolderType=Deposit Box). Give the name of the nominee in the blank labeled “Title” and the document “Recommendation Form for Fellow” in the blank labeled “Notes”.

* Beginning in 2014 recommendations for Fellows will be due to the Awards Committee by October 15. Recommendations can be submitted any time during the year, using the above procedure, but the deadline will be October 15. Recommendations can then be screened by the Awards Committee and sent to the Council for a vote at their November meeting. Recipients can then be notified and make plans to attend the Annual Meeting in March to receive recognition.

3) Distinguished Scholar and Special Service Awards

We propose to the Council that a modest financial award be given to each recipient (perhaps $250 for service and $500 for scholar).

Timeline considerations:

Changes in Awards Operating Procedures to begin in 2014.
Date: 11.9.13

Report from the Proceedings Editorial Committee to the Academy Council

Committee Chair: (Name)   Uwe J. Hansen

Committee Members (List Names):

- Anthropology      C. Russell Stafford
- Botany            Darrin L. Rubino
- Cell Biology      Sarah Mordan McCombs
- Chemistry         Sundeep Rayat
- Earth Science     Darrell G. Schulze
- Ecology           Anthony Swinehart
- Engineering       Nils Johansen
- Entomology        Punya Nachappa
- Environmental Quality  Thomas P. Simon
- Microbiology & Molecular Biology  Elizabeth E. Rueschhoff
- Physics & Astronomy  Horia Petrache
- Plant Systematics and Biodiversity  Scott Namestnick
- Science Education  Vanessa Quinn
- Zoology           Marianna J. Zamlauski-Tucker

Committee Meeting(s) (via telephone, electronically, or physical)

Individual contact only by phone or E-Mail

_______________________  __________________________  __________________________
_______________________  __________________________  __________________________
_______________________  __________________________  __________________________

Items Discussed: Responsibility, Willingness to serve,

Concerns (if any):

- Recommendations to address the concerns:
Committee Chair Report Forum
Cont’d

**Interest(s):** (New ideas the Committee is or has interest in exploring and/or executing)

2013 Activities

**Volume 121** 2012 #1 Published in January 2013 10 papers
2012 #2 Published in July 2013 9 papers

**Volume 122** 2013 #1 in Press 10 papers projected
5 revised galleys with press
3 with author for revision
2 with editor for review after author revision

**Volume 122** 2913 #2 10 papers projected
7 with reviewers
3 with authors prior to submission

Editor transition in progress  Uwe J. Hansen, Dion Ruch & Paul Rothrock met on Sat 10.26.13
Any submissions coming in now for Vol 123 will be forwarded to Ruch by Hansen
All processing of manuscripts for Volume 122#2 will be forwarded to Ruch for familiarization with the editorial process

**Action needed on the part of the Council:**

**Timeline considerations:**
1. Processing of publication sales for IAS website
   - correspondence, sales, accounting, marketing, storage, packaging, shipment
   - quarterly reports to IAS Treasurer

2. Publications sales at special meetings
   - Indiana Native Plant & Wildflower Society annual conference, Indy (Nov 9)
   - Wild Thing Conference, Chicago (last February)

3. *Bryophytes of Illinois & Indiana*, McKnight
   - text finished, working on images and maps
   - working with compositor (AXIOMPORT, Indy) on format

4. *Flora of the Chicago Region*, Wilhelm & Rericha
   - anticipate final manuscript fall 2014
   - numerous meetings/communications with authors
   - working with compositor (AXIOMPORT) to hone format, scan images and develop end-sheet maps
   - raising $ to support final stages prep (herbarium work)

5. Marketing/sales collaboration with IU Press
   - delivering books to IU press warehouse per their request – recently {October}
   IUP closed their warehouse and now use Ingram as distributor; part of a massive change that included moving from their historic bldg to the library and administrative reassignment under Office of Scholarly Publishing

6. Dealing with requests to use images/text from IAS publications

7. Miscellaneous duties
   - arrangement with State Library and status of IAS library (esp. culling)
   - updating Special Pubs portion of website
   - status Proceedings editorship

submitted: 1 November 2013
B.N. McKnight
9.2 change

100 and 3000 to 300 and 1500

9.3 or possibly as 9.4 insert

The state library shall designate space for the library and archives of the Indiana Academy of Science. It shall be the duty of the state librarian to designate a librarian for the Academy who shall oversee the lending of items from the Academy library, where said copies of said reports shall be safely stored, and to oversee the aforementioned distribution.

bnm 11/6/13
Date:   October 25, 2013

Report from the Youth Activities Committee to the Academy Council

Committee Chair: (Name) Patty Zeck and Jennifer Metzler

Committee Members (List Names):

Marcia Gillette
Tina Gilliland
Alice Heikens
David Ober

Committee Meeting(s) (via telephone, electronically, or physical)

Emails or in person at competitions

Concerns (if any):

Marian University will need support as it takes over the Talent Search from IUK.

Veteran teachers who have entered the competition for decades are retiring.

The fall mailing about Junior Academy and grants came too late to get meaningful participation. Academy deadline is Oct 1 and students needed to have done projects for two of the competitions. Given the fall break schedule and parent teacher conference days that are in vogue at the moment, another week of time is lost.

- Recommendations to address the concerns:

Marcia has provided them with numerous materials and as offered to answer questions

Encourage administration to hire teachers interested in student research.

The fall mailing flyer with the Yearbook must come earlier or be sent separately.
Committee Chair Report Forum
Cont’d

Interest(s): (New ideas the Committee is or has interest in exploring and/or executing)
None at this time

Action needed on the part of the Council:

Please continue financial support for the above three programs. It is gratifying to see how many students who participated in these programs have picked STEM careers and college majors. We are indeed grateful to the Academy for their support.

Since I have retired from teaching after 45 years, I think I should relinquish my position on Youth Activities to an active teacher. Jennifer has agreed to continue the chairmanship without me. Delores says my term is up in 2014. I will not seek renomination. Between this committee and its predecessor (Science Education), I think I have been on the committees for at close to a quarter of a century! I know my children were young when Science Education used to meet at my house or Marcia’s. I joined the Academy when I was in grad school so I have at least 45 years in the Academy as well.

Patty Zeck

Timeline considerations:

Refer to nominations timeline for my replacement.

Help Marian University to garner review judges before the due date is announced. There is only a week of turnaround from receipt from students to mailing papers to reviewers.
Date: November 9, 2013

Report from the Junior Grants Committee to the Academy Council

Committee Chair: Alice Heikens

Committee Members (List Names):
Sarah Mordan-McCombs
Liberty Pelter
Steve Kristoff
Mary Ritke
Marcia Gillette
Lewis Hogarth

Committee Meeting(s) (via telephone, electronically, or physical)
November 30, 2012
October 28, 2013

Items Discussed:
Selected recipients for the 2012 Junior Grants
Organized proposal review for the 2013 Junior Grants

Concerns (if any):

We would like to increase the number of students and schools that participate in this program. The majority of funds go to Marian High School. This year, we have four proposals from three new schools but more than half of the proposals were from Marian. Since I have worked with this program, approximately 2/3 of the funding for this program has gone to this school.

Marian High School 19
John Adams High School 8
Northwestern High School 2
Franklin Community High School * 2
Homestead High School* 1
West Lafayette High School1
Trinity School of Greenlawn* 1
Penn High School 1

*New schools participating for the first time.

- Recommendations to address the concerns:

Invite several students and teachers from schools that are not submitting proposals to our annual meeting. Ask them to attend the workshop that Larry Mordan and I conduct on how to write successful grant proposals. Hopefully, after interacting with scientists all day, they will want to conduct research and submit proposals.
Committee Chair Report Forum
Cont’d

Interest(s): (New ideas the Committee is or has interest in exploring and/or executing)

Should we consider requiring that proposals seek a minimum amount of funding? At times we review
grants for less than $50. The review process is time consuming and we are using volunteers’ time. If
the student only needs $20 should they be submitting a proposal? There is value in learning how to
submit a proposal but it comes at the expense of reviewers’ time.

Action needed on the part of the Council:

Funding to invite guests to the annual meeting.
Funding for the production of a short video regarding the grants available.

Timeline considerations:

We will select the Junior Grant recipients by mid-December. We may want to invite some of these
students to the annual meeting along with teachers and students from new schools.
1. BNC helped organize and sponsor the Conner Prairie Interactive Historic Park bioblitz on June 8th and 9th. The results will be placed on the IAS Homepage and a short manuscript will be submitted to the Proceeds before the Spring Meeting.

2. Kem Badger and Don Ruch hosted a plant identification workshop at Brown County State Park, Nashville, Indiana, on June 8th and 15th. The workshop attracted twelve individuals who pledged to assist BCSP personnel conduct an inventory of the plant in the park.

3. Marcia Moore is currently developing a “Natural History Collection Database” for the State of Indiana. The database will include information concerning biological collection around the state. It will serve as an information source for researches and the public. The database will be linked to the IAS Webpage.

4. BNC is currently working with the personnel at Eagle Marsh Nature Preserve, Fort Wayne, Indiana, to organize the 2014 bioblitz. BNC and IAS will be a sponsor of the event. Dates TBD.
2013 Report of the Natural Resource Commission
Donald G. Ruch, IAS Representative

1. Nature Preserve (NP) Approval:
   a. Manitou Island NP Addition, Fulton County (January)
   b. Crooked Lake (NP) Addition, Whitley County (January)
   c. Hoosier Prairie (NP) Addition, Lake County (March)
   d. Conrad Station NP, Newton County (May)
   e. Laura Hare NP at Back Creek, Lawrence County (July)
   f. Mouth of Blue River NP, Harrison County (July)
   g. Smith-Crisler NP, Henry County (July)
   h. Blossom Hollow NP, Johnson County (September)
   i. J.D. Marshall Preserve, Porter County (September). First underwater preserve in Indiana; based around the J.D. Marshall Shipwreck site. The ship sank June 11, 1911.

2. NRC gave approval for salary increase for Indiana Conservation Officers. (Jan)

3. Gave Primary Adoption for the establishment of permanent special boating zones on Tippecanoe and James Lakes. (Jan)

4. Gave Final Adoption for rules governing hunting and fishing. (Jan)

5. Gave Final Adoption to increase the size of the gypsy moth quarantine area. (Jan)

6. Approved procedures to update the record retention schedule for NRC, including the Division of Hearing. (Jan)

7. Approved the Quakertown Marina, Inc. proposal for development, operation and maintenance. [Federally owned lands under DNR control] (March)

8. Approved the establishment of the Move Over Lake Conservancy District. (March)

9. Gave Final Adoption to rules to help mediate disputes among surface water users. (March)

10. Gave Final Adoption to rule amendments to regulate thousand cankers disease. [Caused by walnut twig beetle and the fungus Geosmithia morbida; kills walnut trees]. (March)

11. Approved a rate increase for boat slips and rentals at Kent’s Harbor. (May)

12. Approved a rate increase for boat slips and rentals at Lake Monroe Sailing Association. (May)
13. Gave Final Adoption to relocate the State Land Office from the Department of Administration to the Department of Nature Resources as a new division. (May)

14. Approved the addition of 27 exotic aquatic species to the list of plants designated as pests or pathogens in Indiana. The approval prohibits the sale, distribution, and transport of these aquatic species. (July)

15. Gave Final Adoption to remove State Museums and Historic Sites from the Division of Natural Resources and establish a new Indiana State Museum and Historic Sites Corporation. (July)

16. Approved upgrading standards regarding activities along and within public freshwater lakes. (September)

17. Gave Preliminary Adoption for the implementation of the Sportsmen Benevolence Account. (September)

18. Approved amendments to the articles of dedication and master plan of, and addition of acreage to, the Hoosier Prairie NP [see 1.c. above]. (September)

19. Gave Final Adoption to rules governing boating on Tippecanoe Lake, Kosciusko County. (September)

20. Gave Final Adoption to readopting rules governing coal mining and reclamation operations. [Definitions, general provisions, areas unsuitable for mining, permitting procedures, performance standards, and inspection and enforcement.] September.

21. Gave Final Adoption to readopting rules governing dam regulation. [Application and administration, definitions, and hazard classifications.] (September)

22. Gave Final Adoption to readopting rules which govern the Historic Preservation Review Board. (September)

23. Gave Final Adoption to readopting rules governing Archaeological Review and Recovery. [Definitions, rules on administration of the articles, and rules to provide qualification standards to conduct archaeological review and recovery in Indiana.] (September)

24. Gave Final Adoption to readopting rules governing Human Remains, Burial Objects, and Artifacts. [Definitions, rules governing licensure for discovery, rules governing technical analyses and the treatment of human remains from burial sites predating the Cemetery Act, and provides an expedited license for participation in a qualified cemetery restoration.] (September)
John Shepard Wright Memorial Library
of the
INDIANA ACADEMY OF SCIENCE

Annual Report FY 2013
(July 1, 2012 – June 30, 2013)

Collection Status

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Serials

347 single issue serials were added to the collection in FY2013. Comparatively, 391 serial issues were received in FY2012. Several of our exchange partners are ceasing the publication of print issues in favor of digital subscriptions.

Interlibrary Loans

159 items were interlibrary loaned from the IAS collection last fiscal year.

Exchange Mailings

The IAS librarian is beginning the process of shipping copies of the Proceedings of the Indiana Academy of Science (vol. 121, no. 1-2). It is estimated that copies will be mailed to 62 institutions in Indiana and 50 institutions outside of the state.

As vol. 121 is now complete, copies of both vols. 120 and 121 will be mailed to our international exchange partners. The IAS librarian is currently working with a representative from the United States Postal Service on the best way to conduct a large international mailing. Copies will be sent to approximately 300 foreign institutions. It is hoped that this project will be completed by the end of December, 2013.

Submitted by: Jocelyn Lewis, Academy Librarian 11/9/2013
Indiana Academy of Science Council Meeting
November 9, 2013
Webmaster Report

1. Volume 121:2 of the *Proceedings of the Indiana Academy of Science* has been uploaded to the website.

2. Progress is underway to make digital copies of the *Proceedings of the Indiana Academy of Science* available on the Internet. This initiative is the result of a grant to the Academy received in 2010. Work is continuing to index all archived volumes of the *Proceedings*. These indexed volumes are at Open Access Journals at IUPUI - [http://journals.iupui.edu/index.php/ias/issue/archive](http://journals.iupui.edu/index.php/ias/issue/archive)

3. We have contacted Bitwise Solutions about the possibility to creating an Academy Store to sell items with Academy logos on the website. Cost estimates for creating the Academy Store have been requested. Also, cost estimates for updating the website to be able to screen candidates for emeritus membership have been requested.

4. Information about the 2014 annual Academy meeting is being uploaded and links are being created.

5. Current maintenance of the website has resulted in several web functions being updated and corrected, e.g., HTML membership list, dates on the membership list, etc.

Respectfully submitted,
Mike Foos

* April 13, 2007 Council Minutes “-Berry moved, Langdon second, that all papers (since 2000) be put online so anybody could read them. All approved”
Below are the proposed changes in IAS Bylaws to be voted upon by Council members. If passed they must be submitted to the IAS membership at the Annual meeting.

1. Current:
Article VIII, §4, No 8. The Science and Society Committee shall be composed of three members: the Executive Director, who shall serve as chair, and two members appointed by the President. ....
Proposed:
Article VIII, §4, No 8. The Science and Society Committee shall be composed of maximum of four members: the Executive Director, who shall serve as chair, and maximum of three members appointed by the President. ....

2. Current:
Article VIII, §4, No 4. The Finance Committee shall be composed of three members who shall audit The Academy's financial records annually.
Proposed:
Article VIII, §4, No 4. The Finance Committee shall be composed of three members and the Treasurer as ex officio without vote who shall audit The Academy's financial records annually.

3. Current:
Article VIII, §3, No.2 The Research Grants Committee shall consist of six members, elected for three-year rotating terms, and may stand for reelection. The Secretary shall serve as an ex officio member, but without vote.....
Proposed:
Article VIII, §3, No.2 The Research Grants Committee shall consist of six members, elected for three-year rotating terms, and may stand for reelection. The Secretary shall serve as an ex officio member, but without vote. The past chair shall serve in a non-reading, non-voting, ex-officio status for one year after termination of the elected term, if the term ends while member is chair.

4. Current:
Article III, §2, No.5. Emeritus Member - A member, who is 65 years of age or over, is retired, and has been a member of The Academy for 25 years or more.
Proposed:
Article III, §2, No.5. Emeritus Member - A member, who is 65 years of age or over, is retired, and has been an active member of The Academy for 15 years or more.

The bylaw change listed below was not discussed at the Council meeting. However, the Council passed an Operating Policy at that meeting that directly contradicts the bylaw listed below stating “Only fellows can recommend fellows, fellows are elected by Council, and students may not be fellows.” The President and Parliamentarian concur that it is appropriate to suggest this bylaw change.

5. Current:
Article III, §2, No9. Fellow - A member for at least five years with recognized standing as a scientist, who has contributed to the objectives of The Academy, been recommended by a majority of the Council, and been approved by a majority of the members voting at the annual meeting.
Proposed:
Article III, §2, No9. **Fellow** - A member for at least five years with recognized standing as a scientist, who has contributed to the objectives of The Academy, **been recommended by a majority of the Council**, and **been approved by a majority of the members voting at the annual meeting**.