Over the past year I carried out those duties associated with the office of the president including chairing the annual spring board meeting held April 13-14 in Saint Louis, which was also combined with the first meeting of the Legacy Society not held in conjunction with the annual meeting of the society. Some highlights from the board meeting included the focus on development, use of new software technology to keep track of our membership, the goal of converting the current website to a content management system, experiencing the wonderfully renovated office of the BSA in St. Louis, the need to better manage awards, both in terms of allocating funds to them and making sure we have nominations, funding of a “public policy award” to support those student in the society interested in attending the Congressional Visits Day, and partnerships with other societies (how much should we be involved, how to establish criteria to determine which other societies we should support). The Legacy Society meeting at the Chase Park Plaza was a great success, thanks to the BSA staff (with a special thanks to Birgit Spears), and will serve as a model for additional meetings in the future. We are in debt to Peter Raven for emceeing this event. As a representative of the BSA, I attended two meetings of the Council for Scientific Society Presidents (CSSP), and I was elected to the board of that organization for one year. The CSSP serves in part to bring issues of importance to the societies through these meetings. A major emphasis this year has been the development of active learning tools into the classroom, which the NAS believes can be done most effectively through the scientific societies. The BSA continues to focus on maintaining a diverse society, building on the program established by Karen Renzaglia. Currently, the Plants grant, funded by the NSF (PIS: Ann Hirsch and Ann Sakai, with great support from Heather Cancanindin in the BSA office), supports attendance by a diverse group of undergraduates at the annual meeting. Students are paired with mentors to ensure that they get the most they can out of the meeting. Indexing of the American Journal of Botany by Pub Med and the increased impact factor of the journal indicate the continued success of our flagship publication. A major new initiative from publications is the branching off of Plant Notes and Publications as a new journal, entitled Applications in Plant Sciences (APPS), edited by Theresa Culley. Upcoming special issues include plant tropisms and global biological change, joining the species issue on next generation sequencing edited by David Spooner that appeared earlier this year. Many challenges face the society in the near future, including the effects of potential mandates for open access on our financial model. As a society, we have many issues facing us that we will continue to address in the next few years (under the able leadership of our incoming president, Toby Kellogg, and our new president elect, Pam Diggle).
Report of past-president

As past president, I chair the elections committee. We received excellent nominees from the membership and reviews from committee members. A slate was prepared, the vote was held through the BSA office and election results were reported on the BSA webpage in April. I also chair the corresponding members committee. Two scientists were nominated: Viktor Ivanov from the Russian Academy of Sciences, an expert in the cellular basis of plant growth, and Synnove Liaaen-Jensen from the University of Trondheim in Norway, an expert in photosynthetic pigment chemistry. Following committee discussion and a request for further input on one candidate, we decided that both deserved to be selected. The names were sent to the executive officer in May for him to notify them of their selection and the benefits of being a corresponding member and they will be announced on the web. One additional nominee was sent by the merit award committee, but since it arrived after the committee had completed this year's work, this nomination will be considered by the new committee after the annual meeting.

As part of the effort we began three years ago to bring policies in line with the new by-laws I completed the policy updates and these were approved by the board at the spring meeting.

Judith E. Skog, Past-president.
Report of the President Elect (Committee on Committees)

The following positions have been confirmed for service through 2015. Additional appointments will be made and posted on the BSA website at: http://www.botany.org/governance/committees.php

COMMITTEE ON COMMITTEES
J. Chris Pires, George Weiblen

COMMITTEE ON HUMAN DIVERSITY
Juan Zalapa, Anna Monfils

ELECTION COMMITTEE
Lena Hileman

FINANCE COMMITTEE
Kristina Schierenbeck

INVESTMENT COMMITTEE
Russell Chapman

INTERNATIONAL AFFAIRS COMMITTEE
Alejandra Jaramillo, Mark Mort, chair

PUBLICATIONS COMMITTEE
Mitch Cruzan, Sean Graham
Qiu–Yun (Jenny) Xiang – new Chair

TECHNOLOGY COMMITTEE
Chris Martine, Chair, Norm Wickett, Mike Moore

CHEADLE AWARD COMMITTEE
Carrie Wu

MOSELEY AWARD COMMITTEE
Veronic Di Stilio, Tatyana Livshultz, new chair

PELTON AWARD COMMITTEE
Peter Endress, Ned Friedman, new chair

Thanks you to the people noted above for their service to the BSA.

Elizabeth A. Kellogg (Toby)
Date: 8 July 2011
To: BSA Council
From: Amy Litt, Treasurer

The Botanical Society is in healthy financial condition. Income and expenses for the past year have been close to the budgeted amounts. The organization of the budget has been reworked to emphasize the mission and activities of the Society, thus data from the old category “Grants” is now included in “Education.” Operational expenditures are up this year from previous years largely due to much-deserved salary increases for the BSA staff as well as the hiring of two non-permanent additional staff members, one each in IT and Publications.

The largest share of income continues to be from the American Journal of Botany. At this time subscription income is down slightly; overall subscription numbers continue to decline about 3-5% annually. Although new sources or subscribers are being tapped, we must continue to explore models for sustainability of the journal. Primer Notes and Protocols, which it is expected will be profitable and which currently is depressing AJB’s impact factor, is being spun off into an independent open-access journal (Applications in Plant Sciences, APPS) under the auspices of BioOne.

Education initiatives formed our second largest source of income, in the form of grants. Grants are nearly revenue neutral; however they help support the Society’s mission and its staff. The Conference is also revenue neutral by the end of the fiscal year.

A word about the Development category: the expenditure in this category is mainly the salary of our Development staff member. However the income from her work is reflected in many categories, for instance to date this year members and family provided over $66,000 in contributions to sections and awards. The income recorded in Development reflects only gifts sent directly to the Society as donations.

The largest share of expenses goes to the support of the staff of BSA and its diverse functions.

Assets
This past year the investment fund held steady, with a slight loss at this time (Table 1). Please see the report from the Investment Committee for further information on the investment accounts. In addition the Society has, as of 30 June 2012, approximately $35,000, $426,000 in money market funds, and $302,000 in the conference account, for total financial assets of nearly $4,550,000.

<table>
<thead>
<tr>
<th>Table 1: Investment fund balances for the Botanical Society of America</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investment funds balance 30 June 2010</td>
</tr>
<tr>
<td>Investment funds balance 30 June 2011</td>
</tr>
<tr>
<td>Investment funds balance 30 June 2012</td>
</tr>
</tbody>
</table>

Income and expenses
The budget approved for 2011-2012 included total budgeted income of $1.89M and budgeted expenses of $2M. The discrepancy between income and expenses was due to the one-time
payment to Missouri Botanical Garden for the BSA offices ($113,862) and to staff salary increased. Year-to-date (30 June 2012) income and expenses were budgeted at $1.63M and $1.42M versus current year-to-date totals of $1.64M and $1.37M, respectively (Table 2). We are thus very much on target.

**Budget for 2012-2013**

Budgeted income is projected at $1.63M in FY2013 versus $1.93M in FY2011. The drop in income is the result of the Planting Science grant ending. Expenses are budgeted at $1.63M, in contrast to $2.04M; again much of the drop reflects the end of the Planting Science grant. AJB subscription rates will increase $45 across the board (print: $740 for US institutions, $785 for Canadian and Mexican institutions, $830 for all other institutions; online: $715). Expenses for personnel, administration, and rent have increased but the St. Louis office is being run with increasing efficiency which represents a source of savings.

<p>| Table 2: Summary of income and expenditures for the Botanical Society of America (as of 30 June 2012) |
|---------------------------------|-----------------|-----------------|-----------------|
| <strong>Admin/Membership</strong>            | Current         | Budget          | FY2011          | FY2012          |
| Income                          | YTD             | YTD             | VAR             | YTD             | Total Budget |
| Income                          | $190,070        | $169,082        | 12%             | $211,505        | $184,832      |
| Expenditure                     | $499,609        | $493,220        | 1%              | $278,429        | $620,249      |
|                                 | (309,539)       | (324,138)       | -5%             | (66,925)        | (435,417)     |
| <strong>Publications</strong>                |                 |                 |                 |                 |
| Income                          | $909,837        | $962,900        | -6%             | $897,600        | $1,006,025    |
| Expenditure                     | $434,664        | $433,887        | 0%              | $349,520        | $575,516      |
|                                 | 475,172         | 529,013         | -10%            | 548,080         | 430,509       |
| <strong>Conference</strong>                 |                 |                 |                 |                 |
| Income                          | $292,886        | $205,698        | 42%             | $245,519        | $205,698      |
| Expenditure                     | $52,084         | $71,938         | -28%            | $123,570        | $235,015      |
|                                 | 240,802         | 133,762         | 80%             | 121,949         | (29,317)      |
| <strong>Education</strong>                  |                 |                 |                 |                 |
| Income                          | $244,314        | $281,250        | -13%            | $228,475        | $400,000      |
| Expenditure                     | $329,758        | $359,012        | -8%             | $285,823        | $497,015      |
|                                 | (85,444)        | (77,762)        | 10%             | (57,348)        | (97,015)      |
| <strong>Development</strong>                |                 |                 |                 |                 |
| Income                          | $6,304          | $9,525          | $-              | $89,525         | $89,525       |
| Expenditure                     | $55,033         | $59,405         | $37,851         | $79,207         | $10,318       |
|                                 | (48,729)        | (49,880)        | (37,851)        | (10,318)        | (10,318)      |
| <strong>Operations - sub total</strong>     |                 |                 |                 |                 |
| Income                          | $1,643,410      | $1,628,455      | 1%              | $1,583,099      | $1,886,080    |
| Expenditure                     | $1,371,149      | $1,417,460      | -3%             | $1,075,193      | $2,007,002    |
|                                 | 272,261         | 210,995         | 29%             | 507,906         | (120,922)     |
| <strong>Sections &amp; Awards</strong>          |                 |                 |                 |                 |
| Income                          | $60,441         | $16,000         | 278%            | $20,648         | $40,360       |
| Expenditure                     | $10,817         | $16,000         | 32%             | $11,920         | $33,300       |
|                                 | 49,624          | $             | 0%              | 8,728           | 7,060         |
| <strong>Investment</strong>                 |                 |                 |                 |                 |</p>
<table>
<thead>
<tr>
<th></th>
<th>Income</th>
<th>Expenditure</th>
<th>Overall Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income</td>
<td>$ 336,928</td>
<td>$ -</td>
<td>$ 2,040,778</td>
</tr>
<tr>
<td>Expenditure</td>
<td>$ 42,031</td>
<td>$ -</td>
<td>$ 1,423,996</td>
</tr>
<tr>
<td>Overall Position</td>
<td>$ 294,897</td>
<td>$ -</td>
<td>$ 1,087,149</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Income</th>
<th>Expenditure</th>
<th>Overall Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income</td>
<td>$ 419,645</td>
<td>$ -</td>
<td>$ 2,023,392</td>
</tr>
<tr>
<td>Expenditure</td>
<td>$ 37,886</td>
<td>$ -</td>
<td>$ 1,087,149</td>
</tr>
<tr>
<td>Overall Position</td>
<td>$ 381,759</td>
<td>$ -</td>
<td>$ 1,926,440</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Income</th>
<th>Expenditure</th>
<th>Overall Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income</td>
<td>$ 2,040,778</td>
<td>$ 1,644,455</td>
<td>$ 2,023,392</td>
</tr>
<tr>
<td>Expenditure</td>
<td>$ 1,423,996</td>
<td>$ 1,433,460</td>
<td>$ 1,087,149</td>
</tr>
<tr>
<td>Overall Position</td>
<td>$ 616,782</td>
<td>$ 210,995</td>
<td>$ 936,244</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Income</th>
<th>Expenditure</th>
<th>Overall Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income</td>
<td>$ 1,644,455</td>
<td>$ -</td>
<td>$ 1,926,440</td>
</tr>
<tr>
<td>Expenditure</td>
<td>$ 210,995</td>
<td>$ -</td>
<td>$ 936,244</td>
</tr>
<tr>
<td>Overall Position</td>
<td>$ 936,244</td>
<td>$ -</td>
<td>$ (113,862)</td>
</tr>
</tbody>
</table>
Participating Societies
• Botanical Society of America
• American Bryological and Lichenological Society
• Canadian Botanical Association/L’Association Botanique du Canada
• American Fern Society
• American Society of Plant Taxonomists
• International Association for Plant Taxonomy

Program team: Patrick Herendeen (ASPT), Johanne Stogran, Rob Brandt, David Spooner (BSA)

Submissions as of June 26 2012 (parentheses indicate numbers for Botany 2011)

Total abstracts – 873 (814)

Papers – 421 (420)

Posters – 270 (277)

Symposia and Colloquia – 157 (97)

Discussion sessions – 2 (0)

Workshops – 14 (14)

Symposia and colloquia
1. Are We Having A Broader Impact? 7
2. Building a High-Resolution, Specimen-Based Picture of Life: Possibilities and Challenges 15
3. Carnivorous Plants: New Horizons in Hungry Foliage 6
4. Colloquium in Honor of John McNeill 11
5. Ecological interactions affecting the evolution of plant mating systems: Current research and future directions 9
6. Ephedra pollination and other gnetalean oddities 8
7. Evolution on Islands: a colloquium to honor the careers of Daniel Crawford and Tod Stuessy 12
8. Experimental Morphology and Morphogenesis Then and Now: A Symposium in Memory of Elizabeth G. Cutter 7
9. From canonical to new model systems: The future of plant development 8
10.Growing the Next Generation in Plant Genomics 7
11. Integrative species delimitation: incorporating multiple types of data 7
12. Orchid Biology: Darwin’s Contrivances 150 Years Later 10
13. Phenology and Conservation Implications 8
15. Rhizosphere interactions: the root microbiome 7
16. Transplantations and relocation of species at risk: learning from the past to plan for the future 7
17. Water transport in plants at multiple scales: A physiological, ecological, and evolutionary appraisal 7
18. Where is plant systematics headed in the next ten years? 8
Workshops

1. Molecular cytogenetics: metaphase chromosome preparation, fluorescence in situ hybridization, and approaches for examining plant genomes

2. Introduction to Next Generation Sequencing

3. iPlant's DNA Subway Places Students on Fast Track to Plant Genome Analysis and DNA Barcoding

4. The iPlant Cyber infrastructure: Integration of Biological Data-sets, Computational Tools, and Analytical Workflows

5. Plant Ontology Workshop

6. Making a Visual Key

7. Translating scientific research into hands-on activities for pre-K-12 students


9. Workshop and Roundtable Discussion: Successful Manuscript Preparation and Publication

10. Creating Sustainable Courses with Deep Learning

11. Technology - Dr. Beverly Brown, William Dahl-TBA

12. Influencing Science Policymakers: A Workshop for Students and Early Career Scientists

13. Preparing Digital Images for Publication

Special addresses

1. Address of the BSA President-Elect (Elizabeth Kellogg)
2. American Journal of Botany Special Lecture (Gar Rothwell)
3. Annals of Botany Lecture (William Friedman)
4. Enhancing Scientist Diversity in Plant Biology Luncheon (Maria Elena Zavala)
5. Kaplan Memorial Lecture (R. Larry Peterson)
6. Plenary Address (Peter Crane)
7. Regional Botany Special Lecture (James McCormac)
8. Student Involvement in Botany (Christopher Martine)
9. Waresub Lecture (Robert Antibus)

New awards tracking system

In prior years candidates for awards just checked a button indicating interest in an award, and there were big problems to determine who was eligible for specific awards. For the 2012 conference, we implemented a new method of managing and tracking award candidates. Each award is entered into a
database, and given a description and grouped by society. Awards can have qualification items set, such as society membership requirements, type of presentation, attendee type (such as students), and section the presentation is made in at the conference. During abstract submission, the system checks to see what awards a presentation is qualified for, and allows the submitter to check a box for each award that they choose to be judged for.

While this approach will certainly result in fewer awards to evaluate for the awards committees, hopefully the quality of the candidates will increase. This year's data show that 220 abstracts are to be considered for awards, with 193 of those opting to be considered for only 1 award. The actual award counts are:

Awards: Isabel Cookson Paleobotanical Award: 37
George R. Cooley Award: 6
Margaret Menzel Award: 29
Ecological Section Best Graduate Student Paper: 22
Physiological Section Physiological Section Li-COR: 17
Maynard F. Moseley Award: 15
Genetics Section Poster Award: 14
Ecological Section Best Graduate Student Poster: 12
Katherine Esau Award: 10
Edgar T. Wherry award: 10
Lionel Cinq-Mars award: 10
A. J. Sharp Award: 9
Developmental and Structural Section best poster: 8
Physiological Section Best poster presentation: 8
Economic Botany Section best poster: 4
Emanuel D. Rudolph Award: 3
Iain and Sylvia Taylor award: 3
Economic Botany Section best student paper: 3

Field Trips (Harvey Ballard, Coordinator)

Field Trips are open to all registered attendees of Botany 2012 including spouses/companions and family members. (They must pay full trip registration fee.) All trips require pre-registration and are on a first-come and first-served basis. Fees include transportation, admission fees, field guides (if provided), water and where indicated, lunch. Schedule subject to change...you will be notified by email.

Fees for Scientific Field Trips are non-refundable if cancelled after June 15, 2012.

Participants should be aware that the region’s weather in July is unpredictable. Those attending outdoor trips should be prepared for hot, humid weather and both bright sun and potential rain showers.

<table>
<thead>
<tr>
<th>Multi-Day Pre-Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT 1  Friday July 6  8:00 am</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Saturday, July 7th</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT2  8:00 am</td>
</tr>
<tr>
<td>Session</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>FT3</td>
</tr>
<tr>
<td>FT4</td>
</tr>
<tr>
<td>FT 5</td>
</tr>
<tr>
<td>FT 6</td>
</tr>
<tr>
<td>FT 7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sunday, July 8th</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT 8</td>
</tr>
<tr>
<td>FT 138:00 am</td>
</tr>
<tr>
<td>FT 9</td>
</tr>
<tr>
<td>FT 1010:00 am</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Post Conference - Thursday, July 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT 118:00 am</td>
</tr>
<tr>
<td>FT 128:00 am</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Post Conference Multi-Day - Thursday, July 12 - Friday, July 13</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT 149:00 am (Thursday)</td>
</tr>
</tbody>
</table>
The overarching development issue as I understand it:

In future, depending on the fate of pending legislation regarding open access and the extent to which subscriptions rise or fall, BSA may lose income from the journal. A need has thus been perceived to build the endowment by a large amount to maintain and build society activities. It seems prudent for the BSA to act on multiple fronts to increase the endowment.

Over the past year Birgit Spears, Bill Dahl, and Linda Graham have identified a list of 4 main funding needs:

1) Endowment
2) AJB, e.g. special topic issues
3) Graduate research and travel
4) Outreach, e.g. Planting Science

Given that building the endowment is a major focus, any giving that is directed to the other 3 areas relieves the need to fund those activities from the endowment.

We generated a list of specific development actions and leaders:

A) Build on St. Louis identity by partnering with private sector entities, e.g. Danforth Center and Missouri Botanical Garden, led by Bill.

B) US-level initiatives, e.g. regional events with local ambassadors that build peer-to-peer relationships to foster increased membership in the Legacy Society. A first Legacy Society Event was held in St. Louis in April, 2012 at the Chase Park Plaza Hotel, and was attended by the BSA Executive Committee, who were asked to provide feedback. This event was planned and executed by Birgit in consultation with Bill and Linda. A report will be given to the Development Committee at its meeting at the July Columbus conference. Additional regional events may be planned, given approval by the Development Committee.

C) World-level initiatives that increase BSA visibility. For example, Linda has highly recommended updating the BSA webpage to make “Giving” a more prominent position (the current development material is judged too difficult for givers to find, too wordy, and too legalistic). Birgit & Bill have agreed to accomplish this in consultation with Linda.

D) Meeting-associated activities, e.g. developing best-practices for acquiring industry sponsorship of symposia, and contacting as many companies as possible, particularly industry persons recommended by BSA membership. Birgit has been working on this in collaboration with David Spooner.

E) Member-focused initiatives, e.g. a possible new “Living Legacy” membership that does not require testamentary commitment to BSA, to
attract giving from those who may primarily identify with other societies, but are also interested in supporting one or more BSA activities. Linda has developed an experimental strategy for implementation after approval of the Development Committee has been granted.

F) Develop the Development Committee, e.g., by populating the committee with development expertise and particular interests, and providing a training program in development strategy and implementation. Birgit is qualified to offer the training. A mini-training session is part of the agenda for the Development Committee meeting to be held in July in Columbus.

Specific actions taken:

1) Prior to the summer 2011 BSA meeting, Birgit visited the UW-Madison for all day conferencing with Linda and David Spooner. Bill attended via Skype. Several new development initiatives were designed at that time, one example being the regional Legacy events.

2) Linda and Birgit agreed to meet monthly by phone conference, sometimes with Bill also in attendance.

3) Linda attended 2011 conference meetings of the EC and Development Committees via phone conference, at which time new development activities (including the plan for an initial regional Legacy event) were described.

4) Linda and Birgit wrote a “giving request” letter that was distributed with October mailings to members regarding membership renewal.

5) Linda wrote a brief end-of-year 2011 report to EC members detailing Birgit’s key roles in designing and deploying new development initiatives.

6) Linda provided explicit recommendations for improving the “Giving” information on the BSA website. These included recommendations for 7 buttons, each addressing a specific giving type or target.

7) Implementation of Midwest Legacy Society Event, St. Louis, April 2012

A. Invitations. Birgit designed a formal invitation in consultation with Linda. Development Committee members were asked to highlight names of persons (located in the Midwest from a list of BSA members) they would be willing to personally invite to the April Development event; two members responded. Linda sent personal invitations by snailmail to >30 people. The invitation was also emailed to all society members.

B. Birgit and Bill generated a program, issued speaker invitations, and made dinner arrangements. Post-event email comments from the BSA Executive Committee indicated that the event was regarded as a rousing success.
BSA Board Meeting 7/7/12

Student Report

Highlights from 2011-2012

August: Megan and Marian formed the new Student Activity Committee and recruited three students to serve in addition to student reps. The committee helped organize the upcoming Botany 2012 Student Luncheon, headed by Megan, in which we have 14 scientists from a variety of botanically-related fields involved in an interactive career panel. Although this was a great start for the committee, a goal for next year would be to find ways to get this committee more involved.

November: Marian organized an AIBS public policy workshop with Rob Gropp for Botany 2012 (focused on students and early career scientists).

March: Marian and Morgan attended BESC Congressional Visits Day in DC, representing BSA and learning about public policy involvement. They will tell students about their experience at the Botany 2012 workshop and recruit students and others for a new BSA Policy Network (based on conversations on the Board listserv, with goal of recruiting members from as many states as possible to maintain an open dialogue with their Congresspeople). This effort will be in conjunction with Public Policy Committee.

April: At the Board meeting, Marian and Megan proposed that BSA sponsor two students to attend Congressional Visits Day each year. The Board approved and the Public Policy Committee will administer the grants.

The Editor-in-Chief and Editorial Office of the American Journal of Botany are grateful to our dedicated Associate Editors, to the editors of the AJB Primer Notes & Protocols in the Plant Sciences, and to AJB reviewers for their thoughtful and diligent work over the past year.

1. Results of Journal Citation Report from Thomson Reuters
   - Immediacy Index: 0.401 (0.376 in 2010, 1.139 in 2009, 0.497 in 2008),
   - Eigenfactor Score: 0.01971 (0.0206 in 2010, 0.02617 in 2009, 0.02562 in 2008),
   - Eigenfactor Influence Score: 1.126 (1.14 in 2010, 1.339 in 2009, 1.181 in 2008),

We strongly believe that our numbers are down this year because we have published 60% more articles during 2011 in AJB Primer Notes and Protocols—the online-only, Open Access section of AJB—over 2010.

2. AJB Primer Notes & Protocols in the Plant Sciences
   - To anticipate how PNP might be affecting the IF, we contacted Thomson Reuters directly in January 2012 and received a JCR preview, which basically confirmed that we would take a “hit” for this year’s Impact Factor and the next 2 years. It also prompted an immediate and serious effort to convert PNP to a separate journal.
   - The section will be established as an independent, online-only journal and will launch as part of BioOne’s Open Access Collection in January 2013. The PNP Editorial Board has decided on the title Applications in Plant Sciences (APPS). The title reflects the desire to continue to fill its niche but to also expand the scope to encompass other technological advances in the plant sciences. To this end, the editors will solicit methods/protocol papers for the new journal, and will also consider longer research/review articles as they relate to advances in protocols or technologies. APPS is not intended to compete with or replace AJB.
   - The Editorial Board for PNP/APPS is: Theresa Culley (Editor-in-Chief), Richard Cronn, Mitch Cruzan, Kent Holsinger, Jeff Maughan, Mike Moore, Pam Soltis, and Lisa Wallace. The Managing Editor for this journal is Beth Parada.

3. tbi Consultants:
   - In 2011, we undertook a study with tbi, a consulting company for scholarly journal publishers, to determine ways to increase the profile/stature of AJB and to also maintain/increase subscriptions. Regarding AJB content, the recommendations were to systematically determine the subject areas of the most highly cited papers in peer journals; identify and invite authors publishing in these areas to submit a paper to AJB; and to provide the ideas for our centennial celebration planning that will help take AJB into the future.
   - For subscriptions, we engaged tbi in a telesales pilot project to identify and actively target a) non-renewing customers (lapsed subscribers) and b) customers who are recorded as trying to access AJB content (“turnaways”). These potential subscribers were contacted via phone in their local language and received follow-up emails from
tbi and BSA staff. Particular focus has been placed on areas where AJB has strong growth potential such as Europe and Brazil. For more information on the details of the project, contact the editorial office at ajb@botany.org.

4. AJB’s Centennial Celebration in 2014

- We will celebrate 100 years of AJB in 2014, and plans are currently under way to celebrate this with special articles, special issues, and online-only content that not only reflects on AJB in the past 100 years, but the future of AJB. The AJB staff met in March before the BSA Legacy Society celebration to begin making plans. [Minutes of the meeting are available upon request: ajb@botany.org.] The success of all of this depends on the involvement of our talented and engaged Editorial Board and BSA members. The top suggestions so far are:
  - A look at "citation classics"/seminal papers published in AJB: forward-looking article [where are we now, where are we going] could be published in current AJB (written by up-and-coming author), linked to package of historically related articles on the web.
  - All could be built around a “hot” new area, areas of growth, linked to historical articles; only the new article published in the journal. [Need volunteers from the Editorial Board to help.] Components: Brief intro from editor/science writer, special paper, electronic package.
  - “Timeline for Botany” published on our web site.
  - Forward-looking video for the centennial and beyond—planning to begin late this year, roll out in 2013 as teasers until completed video in 2014.
  - Celebrating “outside the Web” by sponsoring lectures at other meetings.
  - Publicizing the centennial and celebrations through the PSB.

5. Special Issues/Papers/Lectures in the works

- Plant Tropisms special issue, with guest editors Sarah Wyatt and John Kiss, and support from Gar Rothwell—in process for January/February 2013
- Global Biological Change special issue, with guest editors Steve Weller, Ann Sakai, and Katie Suding—in process for June/July 2013
- Imaging and Visualization in Plant Sciences special issue; Special Issue Editors: Ed Exteberria and Judy Jernstedt
- Education: Susan Singer
- Genomic Shock: Scott Russell and Doug Soltis
- Rhizosphere interactions: the root microbiome: Darlene Southworth
- Ecological processes influencing the evolution of sex in plants: Jordan Patricia Sinclair
- “Ontologies as integrative tools for plant science,” invited special paper by Dennis Stevenson et al., in press
- “A global analysis of woody plant xylem vessel length,” invited special paper by Anna Linden Jacobsen, R. Brandon Pratt, et al., in revision
- “Are palms the longest-lived trees? An essay in plant cell longevity,” invited special paper by Brett Huggett and P. Barry Tomlinson, reviews complete
- “Pollination drops in gymnosperms,” invited special paper by Patrick von Aderkas and Natalie Prior, revision under evaluation
- “How common is the nonmycorrhizal P-acquisition strategy based on exudation of carboxylates in the genus Lupinus?”, invited special paper by Hans Lambers et al.
- **2012 AJB Special Lecture:** Descent with Modification; uniting paleontology and molecular genetics to integrate pattern and process in plant evolution, presented by Gar Rothwell
- **AJB Sponsored Lecture at the 2012 Plant Biology Congress in Freiburg, Germany:** "Modelling plant functions and development,” presented by Cris Kuhlemeier, University of Bern [introduced by Hanns-Christof Spatz]
6. Mobile

- In March 2012, AJB’s website ([www.amjbot.org](http://www.amjbot.org)) was enhanced for mobile users in response to the increasing number of users accessing articles/journal content via smart phones and other mobile devices. The mobile site is a streamlined version of the normal online site, created to provide quick and easy-to-view access to mobile users.

- The current editorial staff includes Ms. Amy McPherson (Managing Editor), Mr. Richard Hund (Production Editor), Ms. Beth Parada (Online Publication Editor), Dr. Sophia Balcomb (Assistant Editor/Content Editor), Dr. Beth Hazen (Manuscript Editor), Mr. Richard Earles (Copy Editor), Ms. Jan Niehoff (Copy Editor), and Dr. Larry Skog (Copy Editor). Dr. Sophia Balcomb has also been supporting our outreach by writing press releases for EurekAlert.

- Comments and suggestions are always welcome from readers, authors, reviewers, staff, and Associate Editors. E-mail us at ajb@botany.org.

- All communications (electronic, mail, and telephone) should be directed to the Editorial Office, which is located in St. Louis, at the BSA headquarters at the Missouri Botanical Garden. The address is American Journal of Botany, P.O. Box 299, St. Louis, MO 63166-0299; tel. 314-577-5112; fax 314-577-9515; email to: ajb@botany.org; www.amjbot.org).

Section/Category of manuscripts submitted to AJB:

<table>
<thead>
<tr>
<th>Category</th>
<th>2011</th>
<th>2010</th>
<th>2009</th>
<th>2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy and Morphology</td>
<td>30</td>
<td>36</td>
<td>43</td>
<td>56</td>
</tr>
<tr>
<td>Biomechanics</td>
<td>5</td>
<td>4</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Bryology and Lichenology</td>
<td>12</td>
<td>2</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Cell Biology</td>
<td>3</td>
<td>8</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Dev. Biol./ Dev. Genetics</td>
<td>15</td>
<td>10</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td>Ecology</td>
<td>128</td>
<td>123</td>
<td>79</td>
<td>87</td>
</tr>
<tr>
<td>Economic Botany</td>
<td>13</td>
<td>8</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Education</td>
<td>2</td>
<td>2</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Evolution &amp; Phylogeny</td>
<td>60</td>
<td>54</td>
<td>54</td>
<td>12</td>
</tr>
<tr>
<td>Genetics</td>
<td>140</td>
<td>88</td>
<td>15</td>
<td>21</td>
</tr>
<tr>
<td>Mycology</td>
<td>13</td>
<td>11</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Paleobotany</td>
<td>19</td>
<td>22</td>
<td>24</td>
<td>21</td>
</tr>
<tr>
<td>Phycology</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Physiology and Biochemistry</td>
<td>20</td>
<td>13</td>
<td>15</td>
<td>17</td>
</tr>
<tr>
<td>Population Biology</td>
<td>74</td>
<td>64</td>
<td>42</td>
<td>28</td>
</tr>
<tr>
<td>Pteridology</td>
<td>7</td>
<td>3</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Reproductive Biology</td>
<td>39</td>
<td>45</td>
<td>44</td>
<td>80</td>
</tr>
<tr>
<td>Systematics &amp; Phytogeography</td>
<td>47</td>
<td>43</td>
<td>45</td>
<td>64</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>628</td>
<td>422</td>
<td>404</td>
<td>422</td>
</tr>
</tbody>
</table>

[186 PNP] [115 PNP]

Respectfully submitted,

Judy Jernstedt, Amy McPherson, Richard Hund, Beth Parada
Editor-in-Chief, Managing Editor, Production Editor, Online Publication Editor

6 July 2012
July 2012 BSA Business Report

Scholarship: Foster excellence in botanical research
Education: Provide and support education about plants
Professional development: Encourage, nurture and sustain BSA members throughout their careers
Organizational development: Develop the resources and capacity to advance the mission and reach long-range goals of the BSA

I. BSA Business Report - Introduction

The following report provides an overview of the activities of the Botanical Society of America’s business office over the past twelve months. Let me begin by thanking and acknowledging the Executive Committee for their support and direction. On behalf of the Executive Committee, the Society, and myself, I also thank and acknowledge the Society’s staff, Catrina Adams, Rob Brandt, Heather Cacanindin, Claire Hemingway, Richard Hund, Wanda Lovan, Amy McPherson, Beth Parada, Birgit Spears and Johanne Stogran, for their efforts and dedication to the Botanical Society of America. Once again, as a team, your staff was able to improve the Society’s ability to support members and our mission.

I’m pleased to open this report by saying the BSA offices in St. Louis are open and staff is happy. The Society remains in good shape, Botany 2012 has come together nicely and we are taking positive moves in all areas of activity supporting our mission. Important aspects of our activities over the past twelve months include: an overview of the BSA structure supporting committees; award sustainability; and the launch of Applications in the Plant Sciences (APPS) (currently known as AIB Journal Primer Notes and Protocols in the Plant Sciences) as a stand-alone publication within the AIBS BioOne Open Access structure; a total upgrade for the PlantingScience program; long-term visioning for our publications beyond print. You’ll find some topics discussed here, but for detailed reports, please review the appropriate Council report.

II. Thank you!

We extend a special thank you to members and family members who donated to our endowment, and to the various BSA section and award funds. Contributions so far this year totaled over $66,500.
III. Financial Update

Our overall operational revenue stream for the year-to-date is budgeted to be $1,628,455. Income to date is $1,643,410, a variance of $14,955 (+1%). Income from Administration /Membership and Botany Conference are running slightly ahead of budget. Subscriptions and Education (grants) are running slightly behind budget. Grant funds are down due to timing. Of note, publication income is down ($53,000) lower than anticipated with specific line items including: subscription income (-$18,000); page charge income ($25,000); and Advertising income (-$14,575). It is anticipate that income, apart from advertising, will be in line with budget at years end.

Operational expenditure for the year stands at $1,371,149 with a budget of $1,417,460, a variance of $46,311 (-3%). This is again largely due to timing for both the Education and Conference areas.

For an overview of the BSA Investments, please see Jack Horner’s Investment Report.

IV. Membership

Membership in the Society currently stands at 3,059. We will continue to grow over the remainder of the year. I’d like to remind professional members who are retiring we’d like to keep you engaged with Botany. Remember, the Emeriti membership is a gift from the BSA for your long involvement and support for our branch of science.
Suggested 2013 Membership Rates: Professional, $60; PostDoc, $45; Student $35; Community College $40, K-12 $25, Affiliate $45, Amateur $25, Associate $15, Student Gift $10

V. Publications
The Publications Committee, in conjunction with BSA staff and the DAL for Publication have been a busy group. Please see the Publications reports for specific details.

A. AJB has gone MOBILE. Our mobile interface is now online!
B. AJB Primer Notes & Protocols in the Plant Sciences will be moving out of the American Journal of Botany to become a stand-alone open access publication. It has been accepted as part of the American Institute of Biological Science’s BioOne Open Access Collection. It will launch as an independent, online-only journal in January 2013. It will move under the title “Applications in Plant Sciences” (APPS). Dr. Theresa Culley has agreed to become editor and Chief of APPS. A special thank you to Beth Parada for her leadership in this endeavor.

As a reminder, we decided that it was necessary to break off the Primer Notes section from AJB because of its effect on AJB's impact factor, and we're looking at this as an opportunity to expand the section's scope to encompass technological advances in the plant sciences. We'll be working to attract methods/protocol papers to the new journal, and APPS will also be accepting longer article types for submission.

C. Over the past four months we contracted ($5,840) a subscription and marketing specialist (TBI) to try and increase journal sales. We engaged TBI to identify and actively target a) non-renewing customers (lapsed subscribers) and b) customers who are recorded as trying to access AJB content (“turnaways”). These potential subscribers were contacted via phone in their local language and received follow-up emails from TBI and BSA staff. Particular focus has been placed on areas where AJB has strong growth potential such as Europe and Brazil. The early results are: 8 institutions engaged in trial access to the journal, 5 institutions renewed as a result of direct contact, and 24 institutions are considering a trial with the AJB.

D. Planning is underway for the AJB Centennial year in 2014. If you are interested in assisting in any way, please contact the BSA office (Amy and/or Heather).
E. We are exploring our options and opportunities in an era where open access may become a government mandate. In essence, this means a move to a financial model for the publication of the AJB other than simple library subscriptions. It may include the reintroduction of author charges of some type.
F. We have begun exploring our options as an Online ONLY publisher. This includes both the AJB and PSB. We’ll be asking for your feedback as we move forward, please respond.

Suggested 2013 Subscription Rates:
Print: USA, $740; Canada/Mexico, $785; Rest of the World, $830
Online: $715

VI. Botany Conference
Upcoming Botany Conferences:
• 2013 – New Orleans LA
• 2014 - Boise, Idaho
• 2015 - Edmonton, Alberta, Canada
VII. Development
Development Director (Birgit) has developed a good working relationship with Linda Graham and the BSA Development Committee. She is working to emulate the revised BSA Organizational Structure and build a strong, functional group. Please see the Development report for further detail.

VIII. Education
The Education group is also beginning to consolidate its position within the BSA structure. We have several programs in operation at the moment. A very brief overview is:

A. **PlantingScience**
   PlantingScience has now served over 13,000 students. Claire, in conjunction with the DAL and Education Committee chair, is working with the partners to set up a long-term governance structure for the program that provides our partners with a much more active role in future developments.

   The 2012 progress report and report to NSF can be accessed at:

B. **My PlantIT**
   Claire is working with our partners in this program, Texas A&M and BioQuest, to complete the final deliverable. They are currently in the process of review before publication. The BSA will publish an EBook as the final product for the grant.

C. **PlantED**
   This joint digital library project with the ESA, SSE and SEB is now online - [http://PlantEd.botany.org/](http://PlantEd.botany.org/). This program will allow members across the four Societies to deposit and share teaching resources, syllabi, lab activities, images and other education related materials. All items will also feed directly into the Biological Education Network (BEN) and later the National Digital Library.

IX. BSA Support Services
The BSA has been provided with $61,137 in revenue from support services, $37,937 from SSE, $20,000 from SEB and $3,200 from SMB. It must be noted that these services are run at a breakeven position, and allow us to carry an additional staff member to support our overall efforts.

X. Technology
We have several major projects in play at the moment in conjunction with our normal activities.

A. **PlantingScience** is moving forward with its 2.0 site, including many innovations designed to keep the site relevant with an ever advancing internet and skill set for its users.
B. **CivCRM** is an open source content management system we are putting in place to manage and track all membership activities (join, renew, meeting attendance…) and relationships. We will open discussions and suggest we put this in place for all of the groups we support (SSE, SEB, SMB and AFS). This is an important upgrade as we move to improve our ability to connect with *AJB* and *APPS* authors/subscribers, document our efforts in the area of development and assist in keeping the BSA relevant in all areas of social media. It will also be used to provide a better administrations interface/data management tool for the PlantingScience program.

C. **www.Botany.org** will move into a content management system and take on a new look over the coming year. We have already supported such a move for SEB and shortly will complete one for SSE.

D. **Botany Conference Mobile Application**, designed use on mobile phones and note pads.

E. **PlantEd move to merge all four partners** (ESA, BSA, SSE and SEB) into one database with four different, Society based interfaces.

---

**XI. Sustainability, Awards, Allotments and Programs**

The Board has been looking at the sustainability of the BSA’s awards, sectional support (allotments for meeting activity) and mission related programs (education, public policy, etc.). All awards, allotments and sectional funds reside in our accounts with Morgan Stanley Smith Barney and are reported on each year by the investment committee. Each account over $1,000 is treated as a proportional component of the entire fund and increases/decreases on an annual basis (October 1) based on our overall account performance.

Most BSA awards reside within sectional activity. The Society is not looking to micromanage these accounts. What we’d like to do is work with each award group to better support what the award is trying to achieve over the long-term. Some are no longer viable, some are heading in this direction and many are sustainable. I feel it is important that we all have an understanding of our situation.

This also pertains to BSA instigated awards, our sectional allotments and yet to be funded mission related programs. It is suggested we set aside specific components within our general funds to provide a clear structure and long-term sustainability for these activities.

For example, the Society provides sectional allotments each year as a means of supporting conference related activities. This was begun in 2002. The allotments are based on meeting activities for the previous year and consist of either a $400 or $1,300 funding line for active sections. Our input ranges from $9,000 - $16,000 per year. Under the concept that a given fund should provide an annual return of 2.5%, it is suggested we move $400,000 into a Board restricted fund to ensure this as a sustainable activity at a level of $10,000 per year. The Board will decide what is appropriate for the coming year based on the performance of the account itself. At present we use what is called the BSA Endowment to provide these funds, and support the BSA Student Research Awards. The fund currently consists of $184,000, and over the past seven years has had income of $97,000 and expenditure of $96,000. This year we added five new Graduate student research awards and thus the current situation will become untenable.
We will be working with the Investment Committee and the Board to put in place the structure required for the coming year.

XII. Structural Overview

We continue to push support toward member driven governance. Over the past nine years, the Society has maintained a flat structure focused on specific areas of expertise. Each area aligns with our mission and/or relates to specific area of management. In 2003, as staff began to come on board it was very difficult to get members involved at the committee level. This was due to a number of factors, including no clear programs or direction at the committee level. In 2009 the Board revised the strategic plan and added the Director At-Large positions to support member input at the highest level in key areas (Education, Development and Publications). Staff has been working to engage the committees, in conjunction with Board members where appropriate, in an effort to provide a more robust member-led structure for the Society. The figure below provides an overview of how this structure is evolving.

Thanks you for your time.

Sincerely,

Bill
Education Committee Report 2011-2012  
Botanical Society of America

Progress on projects this past year:

- **DRD and DECA.** The Chairperson is representing BSA on the Advisory Panel for the Digital Resource Discovery (DRD) which is a collaborative effort between the Botanical Society of America, Ecological Society of America and Society of Economic Botany to collaboratively support high quality educational resources in the ecological, evolution and plant sciences. In conjunction with this project the Chairperson is also serving on the Data for the Ecology Classroom Advisory (DECA) Panel which is also part of the DRD project. The DECA project should result in tools that can be incorporated into a PlantingScience ecology activity. The pollination working group is developing a set of database handling tools that will allow users to formulate and test their own hypotheses using a pollen database.

- **PlantEd.** We have continued work on a system to allow submission, review and posting of educational resources. This system will be integrated with the similar systems being developed as part of the DRD grant. This revised system is called PlantEd and should be fully operational by the 2012 annual meeting. Bill Dahl and Beverly Brown will be presenting a workshop on using the new system at this year’s meeting.

- **Bessey Awards for 2012.** Participated in review of applications and selection of Bessey Award winners. This year the Bessey Award will be presented to Paul Williams, Les Hickok, and Thomas Warne.

- **Bessey Award criteria revised.** The Bessey Award Committee revised the criteria for viable candidates. These new criteria are posted as the Bessey Award report. The Committee reviewed the qualifications of past recipients and determined that the individual’s educational innovation should have a national or international impact, i.e. the beyond the home institution of the individual. The Committee suggested to the Teaching Section that their Postelthwaite Award be revived and awarded to individuals whose innovative teaching style has had a positive impact within their home institution, or that a new award be developed for this purpose. This item requires The Board’s approval to be implemented.

- **Request for Education budget.** After careful consideration, the Education Chair and the Education Director proposed to the BSA Board that a budget be created for educational work within the Society. This improve our ability to spread the word about BSA’s educational resources and projects. This is especially important given the need to publicize the inception of PlantEd and continue developing and publicizing PlantingScience.

- **Agenda items for our upcoming meeting include:**
  - Develop an action plan for growing the PlantEd database including specific strategies for recruiting reviewers, recruiting contributors, and reviewing existing materials.
  - Select a topic and plan to offer a botany education symposium at the 2013 conference
○ Discuss the proposal for an Education budget
○ Discuss the findings of the Thinking Evolutionarily meeting
○ Discuss the partnership between Understanding Evolution and BSA

Respectfully submitted,
Beverly J. Brown
Chairperson, Education Committee
Date: July 3, 2012

To: Executive Committee (EC) and Council of the Botanical Society of America (BSA)

From: BSA Investment Committee (IC)

Joe Armstrong (IC member), Illinois State University, Bloomington, jearmstr@ilstu.edu; (309) 438-2601

Russell Chapman (IC member), Louisiana State University, Baton Rouge, Chapman@LSU.edu; (225) 642-776

Bill Dahl (BSA Executive Director, ex officio), BSA Office, St. Louis, MO, wdahl@botany.org; (314) 566-6842

Jack Horner (IC Chair), Iowa State University, Ames, hth@iastate.edu; (515) 294-8635

Amy Litt (BSA Treasurer, ex officio), New York Botanical Garden, New York, alitt@nybg.org; (718) 817-8161

Rachel Meyer (IC student member), New York Botanical Garden, New York, rmeyer@nybg.org; (206)351-7997

Mackenzie Taylor (IC member), Creighton University, Omaha, NE mackenzietaylor@creighton.edu; (402) 280-2157

Steve Weller (BSA President, ex officio), University of California at Irvine, sgweller@uci.edu; (949) 824-6581

Re: Annual Report of the Investment Committee (IC) for 2011-2012 regarding the BSA Endowment Fund

Since the previous 2010-2011 Annual Report, the IC has during 2011-2012:

• monitored monthly the BSA Endowment Fund (EF) invested with Morgan Stanley Smith Barney (MSSB) in Des Moines, IA;
• had one conference call on May 8, 2012 with the MSSB staff (Bryan Boesen, CFP, CIMA, Vice President – Wealth Management) in Des Moines, IA.
• noted that the EF has been monitored frequently and modified by MSSB during the past year to respond to the negatively changing foreign markets and other global turmoil. EF funds are presently emphasizing US markets.

Comparison of this year’s value with the EF values for the three previous years*

As of June 2012 the EF value was $3,787,307 (this represents a 3.3% loss from last year (see below). This decrease was due to major changes in the economic conditions during the past year. However, the EF has increased 39% from its low point (see below) of June 2009.

June 30, 2011 the EF value was $3,915,427*
June 30, 2010 the EF value was $3,108,492*
June 30, 2009 the EF value was $2,724,682*
The BSA Endowment Fund Assets are divided into the following categories

- **Equities (68.8%)**: $2,605,667
- **Fixed Income (17.0%)**: $643,842
- **Cash & Equivalents (14.2%)**: $537,798

As of 6/29/12, the EF continues to be divided into two parts: Unrestricted funds (90.5% of total EF = $3,427,513); and Restricted funds (9.5% = $359,794) that represent BSA section and special award funds.

**MSSB Summary of previous monthly totals from January 2011 through June 2012**

![Graph showing monthly totals from January 2011 to June 2012]

The EF total management fee for this last fiscal year (May 31, 2011 to May 31, 2012) was $57,249.76. This represents 1.468% of the average portfolio value.

Finally, I would like to thank Steve Weller (BSA President) for serving on the IC during this past year. His term expires as of this annual meeting; and the remaining committee members (Joe Armstrong, Russell Chapman, Bill Dahl, Amy Litt, Mackenzie Taylor and Rachel Meyer) for their service to the BSA through this committee.

The chair or any member of the IC will be willing to answer questions about the EF. You are invited to attend the IC meeting on Sunday morning, July 8, in the Stateroom/Hyatt (Session MO2).

Respectfully submitted,

Harry T. (Jack) Horner, IC Chair
The Charles Edwin Bessey Teaching Award

DR. CHARLES EDWIN BESSEY is remembered as one of the great developers of botanical education in the United States of America. In 1884, he accepted the professorship of botany and horticulture at the University of Nebraska. His work and dedication to improving the educational aspects of Botany are most noted in what Nebraskans call "The Bessey Era" (1886-1915), during which Nebraska developed an extraordinary program in botany and ranked among the top five schools in the United States for the number of its undergraduates who became famous botanists. Dr. Bessey served as dean of the University of Nebraska Agricultural College and became head dean in 1909. He served as interim chancellor for the University 1888-91, 1899 and again in 1899. This award recognizes individuals whose work has improved the national and/or international quality of botanical education.

CALL FOR NOMINATIONS

2012 BSA Charles Edwin Bessey Teaching Award

This award is given annually by the Education Committee, in conjunction with the Teaching Section at the BSA Banquet. It recognizes outstanding contributions made to Botanical instruction. This award recognizes individuals whose work has improved the national and/or international quality of botanical education. The ideal candidate’s application will demonstrate the following:

- Enthusiasm for teaching botany
- Innovation in teaching that increases student and/or public interest in botany
- Innovation in teaching botany that increases the quality of botanical education
- Membership in The Botanical Society of America

Reviewing past recipients may be helpful in determining whether an individual is a good candidate for this award.

The 2012 Award(s) will be presented at BOTANY 2012, in Columbus, Ohio, on July 11. The selection of awardees is driven largely by nominations from the membership. Nominations should include:
1. A formal letter of nomination including a clear statement of a. The notable accomplishments of the candidate;
   b. Contributions made by the candidate and evidence of influence on
the discipline or people;
2. Letters of support and evaluation regarding the nominee's candidacy from at least three referees (maximum of 5), with complete contact information (postal address, phone and e-mail address); and
3. The curriculum vita of the candidate being considered.
All nominating materials must arrive no later than March 15, 2012.

Respectfully submitted for the Committee,
Dr. Beverly Brown, Chair Education Committee
Dr. Stokes S. Baker, Chair of the BSA Teaching Section
William Dahl, Executive Director, Botanical Society of America

Nominations and all required materials must be emailed as a .PDF file to bsa-manager@botany.org. For more information please contact:
BSA Bessey Award Committee
c/o Executive Director
Botanical Society of America
4475 Castleman Avenue
St. Louis, MO 63110-3201
E-mail: bsa-manager@botany.org
Phone: 314-577-9566
Or any member of the Committee.
**Darbaker Prize**

The Darbaker Prize in Phycology is given each year in memory of Dr. Leasure K. Darbaker. It is presented to a resident of North America for meritorious work in the study of microscopic algae based on papers published in English by the nominee during the last two full calendar years. This year The Darbaker Award for meritorious work on microscopic algae is presented to:

**Dr. Walter Adey**, National Museum of Natural History, Smithsonian Institution. Dr. Adey has been a pioneer of modern phycology. His development of modern coralline taxonomy and the structural analysis have provided the underpinnings for our present understanding of this group that is now being enhanced by molecular methods. He has further pioneered the system of using filamentous algae as scrubbers toward clean water production and biofuels generation.

**Dr. Sabeeha Merchant**, University of California at Los Angeles. Dr. Merchant has been instrumental in developing the genetics and genomics of *Chlamydomonas* as a model organism. Her work has elucidated the role of metabolic cofactors and iron and copper utilization in the biogenesis of the photosynthetic apparatus, thus providing the basic understanding of chloroplast development for green algae and plants.
Dear Colleagues,

I’m very pleased to report that we have had another exceptional year of proposals for the BSA Graduate Student Research Award. Proposals ranged from genetics/ molecular biology to environmental ecology and evolution. Proposals included diverse topics such as deep time phylogenetics, kelp physiology, and lichen symbionts. This year we were able to give out an additional five awards for a total of 14 BSA Graduate Student Research Awards. Next year we plan on adding five more awards bringing the award total to 19 Graduate Student Research Awards and the Karling Award. With the increase in awards to be given as well as the large number of proposals received each year for this award, we hope to add an additional team to the committee in the next year. The awardees for the BSA Graduate Student Award and the J.S. Karling Graduate Student Research Award for 2012 were:

Matthew P. Nelsen from the University of Chicago  J.S. Karling Award
Guadalupe Borja, Oklahoma State University
Louisa G. Carter, University of Georgia
Gretel Clarke, University of Vermont
Julieta Gallego, Museo Paleontológico Egidio Feruglio
Rachel M. Germain, University of Toronto
Rachel A. Hackett, Central Michigan University
Kristen Hasenstab-Lehman, Rancho Santa Ana Botanic Garden & Claremont Graduate University
Laura Lagomarsino, Harvard University
Jacob B. Landis, University of Florida
Vanessa Lopes Rivera, University of Texas at Austin
Kristen Sauby, University of Florida
Brian J. Sidoti, University of Wisconsin-Madison
Sarah Tepler, University of California, Santa Cruz
and Jinshun Zhong, University of Missouri- St. Louis.

I do apologize for not being able to attend the meeting in person but wish you all the best.

Sincerely,

Michelle M. Barthet
The Merit Award committee this year was composed of the following members:
Thomas L. Rost (Co-chair)
Ruth Stockey (Co-chair)
Bruce G. Baldwin
Spencer Barrett
Susan Kalisz

The process for this year started very slowly so that at the time of the deadline only one person had been nominated. The committee agreed to extend the deadline and call for more nominees. The results of the final selection are appended below.
The merit award committee has analyzed the 7 nominees for the 2012 Merit Award and has agreed on the following:
3. Snow – Yes
4. Olmstead – Yes
5. Gensel – Yes
6. Judd – Yes

This year because of the unusual response to the call for nominations and the decision to re-open the nominations, the committee felt that there should be some formal instructions to the committee to guide future actions. The committee prepared the following instructions and now submits these to the Council for re-drafting and adoption for the use of future committees. Note that one member of the committee felt strongly that there should be only one or two merit awards granted each year.

Submitted 6-12-12
Thomas L. Rost (for the committee)
Enclosure: Draft instructions for the
Merit Award Committee

Subject: Draft instructions for the Merit Award Committee
The Botanical Society of America Merit Award is the highest honor the Society can bestow. Awardees are chosen based on their outstanding contributions to the mission of the Society. The award is bestowed on recipients who have demonstrated excellence in basic research, education, public policy, or who have provided exceptional service to the professional botanical community, or who may have made contributions to a combination of these categories.

Committee membership:
The committee typically consists of five members appointed by the President of the society for a two year term and should represent the breadth of the disciplines in the society. The Chair of the committee is appointed by the President for a one year term.

Committee duties:
Typically in February of each year the Society will send a call to all members asking for nominations for the Merit Award. The deadline for receiving complete nominations is normally March 15th, but in special cases the deadline may be extended if suitable candidates for the award are not received. In an instance where the deadline is extended, this is done by order of the society President with consent of the majority of the Merit Award committee. One or more recipients may be made each year, although under unusual circumstances the award might not be made. It is expected that the members of the society will submit nominations for this award. Members of the Merit Award committee may also nominate candidates for the award, or write supporting letters, but in those cases the committee member must recuse themselves from discussion of and vote on that candidate to avoid any conflict of interest.

Nominations for the Merit Award must include a detailed nomination letter that spells out the contributions of the candidate to botanical science. Each nomination should include at least four supporting letters and a recent CV of the candidate. Normally a person nominated will not be informed of her/his nomination, but this is usually not practical since a recent CV is needed for the nomination. Once a suitable candidate is selected the committee will prepare a short statement outlining the qualification of the awardee(s), and then inform the President of the Society.

Drafted by the Merit Award Committee April 2012:
Thomas L. Rost (Co-chair)
Ruth Stockey (Co-chair)
Bruce G. Baldwin
Spencer Barrett
Susan Kalisz
The 2012 Report of the International Outlook Committee Botanical Society of America
submitted by Anitra Thorhaug

Members,
Anitra Thorhaug, Chair
Dennis Stevenson
Uromi Goodale
Joseph Armstrong
Mudassir Zaide
Janice Coons (substitute for Uromi and Mudassir)
Bill Dahl (ex-officio)

The committee has established relations with Botanical Societies in
Scotland, Bulgaria, Romania, Pakistan, Sri Lanka, Southern Germany,
Mexico, Peru, Argentina, Thailand, India, Norway, and the Academy of Sciences of
Botany China, Czech Republic, Mexico, and soon with Brazil, Chile and Uruguay.

The following articles introducing various nations Botany have been presented through
Plant Science Bulletin:
Botany in Romania with Anka Sarbu
Botany in Bulgaria,
Botany in Pakistan with Mudassir Zaide
Botany in Guinea Bissau
Botany in Peru (with Betty Milanes past President Peruvian Biological in preparation)
Botany in Coastal China (with Huang, X.P. in final preparation)

The committee has sponsored a series of International members who have become
Corresponding members, keeping especially in mind there are few women, African, East
European, and Asia members among the corresponding members.

Synnove Liaanen-Jensen, Dept of Molecular Biology, Trondheim, Norway. Member of
the Norwegian Academy of Sciences. Recipient of the highest service award, from the
King of Norway. Plant pigments and biochemistry of photosynthesis.

Anka Sarbu University of Bucahest, Director Botanical Garden, Member Academy of
Sciences. Biodiversity and engandered plants of East Europe.

Mudassir Zaide, Editor of Pakistan Journal of Botany, Associate Professor University
Balukistan, Pakistan. Physiology, Agronomy, Plants of Pakistan.

Enid MacRobbie, Emeritus Professor Cambridge University, Biophysics and Molecular
Biology.

John Raven, Professor of Marine Studies, University of Dundee, Dundee, Scotland.
Dr. Mustafa Tolba, Former Director United Nations Environmental Program, Nairobi Kenya, and Professor Emeritus, University of Cairo Department of Botany and Microbiology, Cairo, Egypt.

Beyond a visit and meetings with an array of botanists in Peru, the committee has sent two proposals to NSF on a workshop in Lima Peru with the Sociedad Peruviana Botanica who has agreed to meet with us for a workshop on Biodiversity. There were a lot of other contacts made at the US Embassy in Lima as well.

The committee organized and sponsored a symposium "How to Work Internationally" with a series of experts who told how to 1.) Send specimens and equipment back and forth internationally with the new rules; 2.) How to find botanical and other necessary information about nations from International sources and US sources to make decisions, or make arrangements for research, sabbaticals, student travel, meeting travel, and other travel; 3.) what you need to know when working abroad about your hosts, accommodations, laboratory and field expectations; 4.) One student's experiences in Sri Lanka doing field research during a war.

Visits to various Botanical Societies

Thailand,
Bulgaria,
Romania,
Peru,
India,
Mexico
Argentina

pending visit Brazil
pending visit Academy of Sciences, China
Annual report of the BSA Committee on Human Diversity. July 2012.

Diversity Committee Membership to July 2012:
Ann Sakai, (2013) Chair    aksakai@uci.edu
Renée Lopez-Smith (2012)    rlsmith@siu.edu
Jay Bolin (2012)      jaybolin@gmail.com
Susan Farmer (2013)      sfarmer@goldsword.com
Brenda Molano-Flores (2013)          molano@inhs.uiuc.edu
Ann Hirsch (2014)    ahirsch@ucla.edu
Muriel Poston (2014)        mposton@skidmore.edu
Lavanya Challagundla, Student Rep(2014)   lc431@msstate.edu
James Cohen, Past Student Rep(2014)    james.cohen@tamiu.edu

Beginning after July 2012:
Juan Zalapa          jezalapa@wisc.edu
Anna Monfils        monfi1ak@cmich.edu

David Spooner (2014), Program Director, ex officio
Steve Weller (2012), President, ex officio
Bill Dahl, Executive Director, ex officio
Heather Cacanindin (BSA PLANTS coordinator)

1. Committee meetings. In 2012, the Committee plans to meet late Sunday morning at BOTANY 2012. Reminders have been sent to the committee and at least six members of the committee plan to be in attendance.

2. In 2011, the Botanical Society of America was awarded a five-year NSF-funded PLANTS grant (Preparing Leaders and Nurturing Tomorrow’s Scientists): Increasing the diversity of plant scientists) directed by Ann Sakai (UC-Irvine), Ann Hirsch (UCLA), and Heather Cacanindin (BSA) shortly before the 2011 BOTANY meetings. The goal of this program is to increase the number of undergraduates from underrepresented groups who attend the annual BOTANY meetings, and to increase their level of academic excellence and motivation to pursue advanced degrees in the plant sciences. The annual report to the NSF on the success of this program at the 2011 meetings is presented in a separate document. Sakai, Hirsch, and Cacanindin were responsible for the selection of the students and organization of the program at the meetings, and two of the Diversity Committee. Two committee members (Hirsch and Monfils) also served as faculty mentors in the program. The program for the PLANTS students is based on extensive mentoring by BSA volunteers at the meeting. It also included a new workshop on how to apply to graduate school.

After a very hectic but successful first year we are now starting our second year and are anticipating an eager and talented group of 13 undergraduates to mentor and introduce to the joys of plants. Thank you to Diversity Committee members Jim Cohen, Lavanya Challagundla, Brenda Molano-Flores and Anna Monfils for taking the time to help in their selection. Continued involvement of the Diversity Committee in publicizing this program, selection of students, and participation in the program is encouraged.
3. The Diversity Committee is involved in choosing the speaker/activities for the Enhancing Scientist Diversity in Plant Biology Luncheon. In 2011, this event was very well attended. Dr. Mary Clutter gave the talk at this well attended event. In 2012, thanks to the suggestion of Ann Hirsch, we are very pleased to have as the speaker Dr. MariaElena Zavala, giving a talk entitled “Planting the seeds of diversity to reap a harvest of scientists”. We welcome ideas for future luncheon topics, formats, and speakers from the Diversity Committee as well as other BOTANY participants.

4. BSA was invited to send society representatives to attend an American Women in Science (AWIS) meeting funded by NSF in May 2012 on the topic of implicit bias in society awards. Ann Sakai (Diversity Committee Chair, Heather Cacanindin (BSA), and Amy Litt (BSA Secretary) attended. AWIS has produced some short (3-6 minutes each) webcasts talking about implicit bias against women when scientific societies are deciding who should receive society awards. In general, BSA has done an excellent job with a gender balance in awards but with a proper introduction, these webcasts could also be about fair practices in general, and not just biases against women or only for awards. Some of the findings of AWIS on this topic will be presented to the BSA Board by Heather and Amy at the BOTANY 2012 meetings. The Diversity Committee also plans to discuss what role, if any, these clips (or a subset of them) might have for our society. See http://www.awis.org/displaycommon.cfm?an=1&subarticlenbr=415 (to watch the webcasts, click on the picture associated with the webcast (very slow to load; I did NOT use the high def version).

5. The BSA currently sponsors two undergraduate poster awards ($500 each) at the annual SACNAS meetings. SACNAS is an organization devoted to advancing Hispanics, Chicanos & Native Americans in Science. In 2011, Ann Sakai attended the SACNAS meetings (funded by her home institution, UC-Irvine), helped to organize judging for the two BSA and two ASPB (American Society of Plant Biology) awards, and talked to students with botany posters about the PLANTS program. This year the meetings will be in Seattle, Washington, Oct 11-14, 2012. In 2012 the Diversity Committee plans to discuss whether the BSA should continue to fund this outreach effort and to discuss other possible outreach activities.

Prepared by Ann Sakai, Diversity Committee Chair
Annual Report for the Developmental and Structural Section, 2012
For the period June 2010 – July 2011
Including the Botany 2011 annual meeting

1. Cheadle Student Travel Awards of $500 each were given to:
   i. Allison Bronson (Humboldt State University; Advisor: Mihai Tomescu)
   ii. David Duarte (California State Polytechnic University, Pomona; Advisor: Frank. Ewers)
   iii. Rachel Hackett (Central Michigan University; Anna Monfils)
   iv. Matthew Ogburn (Brown University; Advisor: Erika Edwards)

2. D&S Section Travel Awards were given to:
   i. Jacob Landis (University of Florida; Advisor: Pam Soltis) - $100
   ii. Christina Lord (Dalhousie University; Advisor: Dr. Arunika Gunawardena) - $350
   iii. Nicholas Miles (University of Florida; Advisor: Pam Soltis) - $100
   iv. Nelson Salinas (The New York Botanical Garden; Advisor: none reported) - $150
   v. Xiaofeng Yin (Miami University; Advisor: Roger Meicenheimer) - $350

3. The D & S Program at Botany 2011 included 20 oral papers and 8 posters. There were no D&S sponsored symposia at the 2011 meetings. The topical session on Evolutionary Developmental Biology (Evo-Devo) was also overseen by the D&S section and featured 15 oral papers, and 6 posters.

4. The section continues to be in sound financial shape with approximately 319 members, and $9,900 in its non-earmarked, cash account as of September 2011.

5. Elena Kramer was elected as the new Treasurer of the Section at the Annual Business Meeting.

6. The family of Don Kaplan made a generous donation to the Section to support student travel to the Annual Meeting. The $13,026.50 will be used to establish an endowment to fund for student travel.
Annual Report of the Ecological Section – 2012
A Summary of the Ecological Section’s Activities in 2011-2012

1. Business Meeting conducted during Botany 2010 meeting, at Providence, RI. Topics at this meeting included:
   a. **Call for and discussion of ideas for Symposia for Botany 2012 meeting:** Section members were reminded that symposia proposals for Botany 2012 would be due to the Executive Committee by August 30, 2011. There was some discussion of sponsorship. Given the limited funds available for financial sponsorship, members decided symposia must have a clear plant ecological link, and that the majority of the funds should go to a proposal originating from the Ecological Section. Symposia proposal submissions from students were strongly encouraged.
   b. **Student Awards:**
      1) Student travel award winners for Botany 2011 were recognized: Rupesh Kariyat (Penn State University) and Benjamin Vanderweide (Kansas State University).
         The judges were thanked.
      2) Student presentation and poster awards for Botany 2010 were announced: Best Poster: Amy Campbell, the Ohio State University, co-author Dr. Allison Snow; Best Presentation: Amy Davidson, the Australian National University, co-author Dr. Adrienne Nicotra. The judges were thanked.
   c. **Secretary/Program Chair election was held:** Cynthia Huebner’s term ended in 2011, thus the Chair called for nominations. Chris Meloche was nominated and later elected to this position.
   d. **Fund Raising:** Discussion focused on fund raising for student awards. Diane Byers indicated she would be willing to form a subcommittee to gather ideas. Claudia Jolls and Eric Morgan volunteered to serve on this committee. Section members were encouraged to make donations to the Section. Claudia Jolls offered matching funds up to $500 for donations made by Section members.
   e. **Student Involvement:** Students involvement has increased in the Section, with more than 70 student presentations and posters this year. Judges for student presentation and posters were thanked.
   g. **Student Presentation and Poster Awards:** Rebecca Drenovsky indicated that funds had been secured from LICOR to support student awards on an annual basis. Chris Martine recommended having an undergraduate award. This recommendation was seconded. Claudia Jolls recommended that the Section should choose on an annual basis whether or not this award would be granted, based on the number of undergraduate submissions. There was general consensus that $200 each would be awarded to the best graduate student paper and poster and $100 for the best undergraduate presentation (paper or poster).
f. Announcements and Information:
   i. As announced at the BSA Board Meeting, Sections need to review their by-laws to
      ensure they are consistent with the by-laws recently adopted by the Society. Diane
      Byers is working on this process.
   ii. Corresponding Member is awarded to outstanding people in their field that live and
      work outside of the US. Section members were encouraged to nominate potential
      corresponding members, as well as to nominate BSA members for other Society
      awards.
   iii. The BSA office will be working more closely with Sections to help ensure financial
       stability.
   iv. BSA has a new committee on policies. They welcome input from members.
   v. BSA 2012 will be held in Columbus, OH; BSA 2013, in New Orleans, LA.

2. Student Awards for Botany 2011
   a. Student Travel Awards ($400 each)
      i. Rupesh Kariyat, Penn State University, University Park, PA - Advisor, Dr. Andrew
         Stephenson - Botany 2011 presentation: "Volatile mediated indirect defense
         signaling is disrupted by inbreeding and genetic variation in Horsenettle
         (Solanum carolinense L)."
      ii. Benjamin Vanderweide, Kansas State University, Manhattan, KS - Advisor, Dr.
          Carolyn Ferguson - Botany 2011 presentation: "Mark-recapture analysis of
          herbarium data from the northern Flint Hills of Kansas, USA."
   b. Student Presentation Awards
      i. Steven Callen, St. Louis University, for Best Graduate Student Poster “Assessing
         the environmental niches of native and introduced Pueraria montana (kudzu).”
         Co-authors: Jason Knouft and Allison Miller. ($200)
      ii. John Stanton-Geddes, University of Minnesota, for Best Graduate Student
          Presentation, “Ecological and genetic contributions to range limits in
          Chamaecrista fasciculata” Co-authors: Peter Tiffin and Ruth Shaw. ($200)
      iii. Brandi Cannon, Sam Houston State University, for Best Undergraduate
          Presentation, “Aroma, and flavor: Investigation of host cues in the orientation
          and establishment of Phoradendron serotinum (Viscaceae).” Co-Authors: Jessica
          Garrison, James Sopas, Timothy Verestegui, Christopher Randle.

3. Sponsored symposia:
   a. At Botany 2011 we sponsored or co-sponsored two symposia.
      i. “Plant reproductive strategies under environmental stress”. Organizers: Arathi, H.S.
         and Brenda Molano-Flores
      ii. “Advances in plant systematics and population genomics: Applications of next
          generation techniques” (in name only)
   b. For Botany 2012 we are sponsoring or co-sponsoring four symposia:
      i. “Ecological interactions affecting the evolution of plant mating systems: Current
         research and future directions”. Organizers: Rupesh Kariyat, Jordan Sinclair
ii. “Transplantations and relocation of species at risk: learning from the past to plan for the future”. Organizer: Liette Vasseur

iii. “Rhizosphere interactions: the root microbiome”. Organizers: Darlene Southworth, Hughes Massicotte

iv. “Water transport in plants at multiple scales: A physiological, ecological, and evolutionary appraisal”. Organizers: Brendan Pratt, Peter Melcher (in name only)

6. At Botany 2012 there are 58 posters or presentations in the Ecological Section sessions, 26 posters or presentations in the Pollination Biology sessions, and 24 posters or presentations in the Conservation Biology sessions.

7. The student travel awards to attend Botany 2012 at $400 each were given to:
   i. Roxaneh Khorsand Rosa, Florida International University, Miami FL—“Floral biology and pollination of an agroforestry palm, Mauritia flexuosa: why field observations are not enough!”. Co-authors: Suzanne Koptur, Reinaldo Imbrozio Barbosa.
   ii. George Meindl, University of Pittsburgh, Pittsburgh PA—“Edaphic factors and plant-animal interactions: cascading effects of serpentine soils”. Co-authors: Tia-Lynn Ashman.

Respectfully Submitted, Rebecca E. Drenovsky, 28 June 2012
1. **Botany 2011 Saint Louis Activities.** The Economic Botany Section under the leadership of Rainer Bussmann sponsored the following events at Botany 2011 in Saint Louis, Missouri:

   a. The section is sponsored the following symposia and colloquia in 2011:
      i. Charles Heiser Special Contributed Paper Session (Parts 1 and 2)
      ii. Jan Salick arranged an all day symposium on “Biocultural Collection Curation Standards”
      iii. Healing the planet: medicinal plants and the legacy of Richard E. Schultes
      iv. 70 Years After Schultes: Economic Botany from the Andes to the Amazon
      v. Healing the planet: Conservation of the world’s tropical forests.

   b. The section organized multiple presentation and poster sessions
      i. Contributed Papers: Economic Botany I
      ii. Contributed Papers: Economic Botany II
      iii. Contributed Papers: Economic Botany III
      iv. Contributed Papers: Economic Botany IV
      v. Contributed Posters: Economic Botany Section Posters
      vi. The SEB Student Committee's workshop: "Creative Strategies for Sharing Research Findings with Study Communities,"
      vii. Contributed Papers: Economic Botany V
      viii. Wednesday, July 13th, 4:00 pm to 4:30 pm · Maryland Room/Chase Park Plaza Meeting: Economic Botany Section Business Meeting

   c. The section held a Student Mixer off-site
   d. The section sponsored an Economic Botanist Lecture and Banquet
   e. Awards: The Economic Botany Section gives two awards each year ($250 each).

2. **Activities planned for Botany 2012 planned for Columbus, Ohio:**

   a. The section organized one contributed papers session.
   b. The section organized one contributed section.
   c. The business meeting will be held on Monday July 9 from 4pm to 5pm.

3. **The descriptions of the Economic Botany Section awards were edited this year and now read:**

   a. The Economic Botany Section best student paper award is given to the student who presents the outstanding paper in the Economic Botany Section at the annual meeting. Papers are judged based on the quality of
the work and the presentation. Students who have completed their Ph.D. within the past year are also eligible.

b. The Economic Botany Section best poster award is given to the student who presents the best poster based on their original research in the Economic Botany Section poster session. To be eligible the student must be present at the poster session and be the first author. Students who have completed their Ph.D. within the past year are also eligible.

4. **Defining Economic Botany in the context of the Botanical Society of America.**

a. In response to a BSA website reader, the BSA website was edited so that it now reads

   i. **Defining economic botany:** Economic Botany is the interaction of people with plants.

   ii. **Differentiating Economic Botany from Ethnobotany:** Economic botany is closely related to the field of ethnobotany—-that word is based on two Greek roots: ethnos (race: people: cultural group) and botanikos (of herbs) and can mean the plant lore of a race or people as well as the study of that lore."

b. In general, there is a need for a discussion of what constitutes Economic Botany in the context of the BSA. Currently, Economic Botany appears to be largely focused largely on Ethnobotany. If Economic Botany is broadly defined (as above) then there are many more members of the BSA working in Economic Botany but not aligning themselves with the section. Options for expanding the reach of the Economic Botany Section to all BSA members working on economically important plants are being considered for 2013.
2012 Genetics Section Report to BSA Council

Activities of the BSA Genetics section during the 2011-2012 year include:

1. Business meeting conducted in St. Louis, MO, Monday, July 11, 5:30 - 6:30 pm.
2. The Genetics Section had 5 contributed paper sessions with 39 papers and 24 posters over three days at the Botany 2011 meeting in St. Louis (these include both sectional and related thematic sections that fall under the general headings of Molecular Ecology & Evolution, Population Genetics, Genomics & Proteomics, and Molecular Biology).
3. The Genetics Section co-sponsored three symposia at Botany 2011: One was “Advances in Plant Systematics and Population Genomics: Applications of Next Generation Techniques” ($500). The second was “Plant Reproductive Strategies Under Environmental Stress” ($500) and the third sponsored symposium was “Onagraceae as a model experimental system” (in name only).
4. The 2011 Margaret Menzel Award ($200) for the best paper was given to Matthew Parks from Oregon State University for his presented paper on “Separating the wheat from the chaff: mitigating the effect of noisy data in plastome phylogenomic analyses.” Co-authors: Richard Cronn and Aaron Liston.
5. The 2011 Genetics Section Poster Award was awarded to Lubos Majesky from Palacky University Olomouc for his poster “Genetic variability in apomictic clones of common dandelion (Taraxacum; Asteraceae)” with coauthors Radim Vasut, Bohumil Travnicek, and Miloslav Kitner.
6. The 2012 Graduate Student Research Award based on evaluation of six submitted proposals was awarded to Ursula King at the University of Connecticut for her proposal titled "Provision of genome resources for Najas marina and Najas minor (Hydrocharitaceae)". The award includes $500 for research and an additional $500 to cover travel costs for a subsequent BSA meeting.
7. The 2012 Genetics Section Travel Award was given to two recipients this year: Michael McCain of the University of Georgia and Travis Lawrence of Cal State Sacramento. Both received $200.
8. The Genetics Section will have 5 paper sessions at the Botany 2012 meeting in St. Louis (including both Genetics section and related thematic sections that fall under the general heading of Genetics).
9. Genetics Section will co-sponsor the following symposia/colloquia at the Botany 2012 meeting:
   • Growing the Next Generation in Plant Genomics; Organizer: Ashley Egan; $500
   • Ecological Interactions Affecting the Evolution of Plant Mating Systems: Current Research and Future Directions; Organizers: Rupesh Kariyat and Jordan Sinclair; $1,000

Genetics Section Officers:

Chair: Theresa Culley (U. of Cincinnati); will step down at end of Botany 2012
Vice-Chair: Kristina Schierenbeck (Cal State Chico), will be Chair at end of Botany 2012
Sec/Treasurer: Jeannette Whitton (The U. of British Columbia), will be Vice-Chair at end of Botany 2012

Respectfully submitted,
Theresa Culley, Chair
July 2, 2012
At the Botany 2011 meetings in St. Louis, MO, the Mycological Section of the Botanical Society of America co-sponsored one symposium and two contributed posters. Additionally, there were 17 oral and poster presentations that included fungi as a major component.

The half-day symposium focused on the need to incorporate microbial interactions into plant community ecology and was co-organized by Melissa McCormick and James Bever. The symposium was attended by approximately 40-50 people.

Funding from BSA also allowed the Mycological Section to provide $300 travel awards to qualified students giving oral and poster presentations. A total of two awards were provided to help students attend the Botany 2011 meetings in St. Louis. These awards were given to the following students:

1) Carla Harper, University Of Kansas - Advisor, Dr. Thomas Taylor - Botany 2011 presentation: "Fungi from the Permian and Triassic of Antarctica." Co-authors, Thomas Taylor and Michael Krings


At the 2012 BSA annual meeting in Columbus, OH, the Mycological Section is co-sponsoring a symposium with the Ecological Section on rhizosphere interactions, with 7 talks. Additionally, there are 4 papers and 7 posters listing the Mycological Section as their primary affiliation.

As a section, we would like to suggest that talks, posters, and contributed paper sessions be co-listed by multiple sections to make it easier for members to identify presentations that could easily be included in multiple sections. Keywords are currently insufficient to do this.

Submitted by Section Chair: Melissa McCormick
Mycological Section, Botanical Society of America

2 July 2012
This year is the 75th Anniversary of the founding of the Paleobotanical Section. The Section currently has 366 members (10 of these are Associate and 16 are Honorary). This is a decrease of 8 since last year, but is somewhat offset by increased student involvement (see below).

The Section has a full program planned for meeting in Columbus, OH. This year there will be 56 oral presentations and 8 posters. A record 29 of these presentations are student contributions in competition for the Cookson Award and/or the Maynard Moseley Award.

The Paleobotanical Section business meeting will be held on Wednesday (July 11th) from 3:00 to 5:00 presided over by our Chairman Mike Millay.

This year’s paleobotany button “Trees Have Fossil Roots” will be available for $3.00 each.

The Paleobotanical Section will be holding its 75th anniversary celebration mixer, banquet, and auction on Monday July 9th 2012 at the Germania Singing and Sport Society.

Recipients of travel awards for students presenting papers at the IOPC meeting in Tokyo this coming August have been chosen. The Winslow Award went to Fabiany Herrera of the University of Florida. Student Other Travel Award recipients are Nareerat Boonchai (University of Florida), Carla Harper (University of Kansas), and Gregory Stall (University of Florida).

Financial activity was light this year and mostly restricted to printing costs for the Bibliography of American Paleobotany for 2011. This is minimal as the Bibliography is mainly distributed electronically.

Respectfully submitted,

Brian J. Axsmith, Secretary-Treasurer/Program Director

Paleobotanical Section, Botanical Society of America.
The report of the physiological Section of BSA 2011-2012

The physiological section hosted 3 half day sessions of contributed papers, posters, and a half day Symposia at the 2011 meeting in St Louis Mo July 2011. This Symposium included members of the Ecological Section and was co-sponsored by Ecological Section. The Symposia was on the very topical and current subject of Oil spills and other coastal impacts and their solutions: restoration. James Doherty with Joy Zedler, Deborah Shaffer, Howard Teas with Janice Coons, and Anitra Thorhaug with Graeme Berlyn made presentations. There were also a series of contributed posters. Also we enjoyed joint sessions on eco-physiology with the Ecological section.

Also three Prizes given were the LICOR prize for best student paper (especially in photosynthetic processes), and two physiological section. Programs given to best student poster and best student paper.

During the annual business meeting, the section had an election and elected a new treasurer to replace Uromi Goodale (San Diego State University). Olga Ruiz Kopp is the new Treasurer from Utah State University.

Our 2012 Program has been planned meticulously by the new program Chair Peter Melcher with section member Brandon Pratt. Water transport in plants at multiple scales: A physiological, ecological, and evolutionary appraisal Peter J Melcher, Ithaca College (pmelcher@ithaca.edu), and Brandon Pratt. The Symposia will have a variety of nationally known physiological speakers on Monday 1 to 5 pm.

There are four sessions of physiology and eco-physiology planned:
A Poster session on Monday 530 pm
Ecophysiology Talks - Tuesday – 8:10 am to 11:45. 10 talks.
Physiological Section. Wednesday 10:45 am to 12:05. 4 talks.
Physiology business meeting - noon on Wednesday at noon.

We have judges to create the framework for the student prize recommendations. We hope to announce during the meeting the prize winners for the LI-COR and physiological student prizes and have found these prizes to stimulate excellent student participation.

Respectfully submitted,

Anitra Thorhaug, Ph.D.
Chair
Physiological Section
BSA
ANNUAL REPORT OF THE PTERIDOLOGICAL SECTION
Presented to the 2012 Botanical Society of America Council Meeting
Columbus, OH

At the Botany 2011 meetings in St. Louis, MO, the Pteridological Section of the Botanical Society of America co-sponsored one field trip, eight oral presentations, and three contributed posters.

Approximately 22 people attended the fern field trip associated with the 2011 meetings in St. Louis. This all-day field trip, exploring the LaBarque Creek watershed, one of the last unaltered stream systems in the metro area, was ably led by George Yatskievych of the Missouri Botanical Garden and Nels Holmberg of the Webster Groves Nature Study Society.

The judging committee for the Edgar T. Wherry Award (for best oral presentation in the joint Pteridological Section/American Fern Society contributed papers sessions) gave the 2011 award to Monique McHenry, University of Vermont for her paper entitled "Investigating morphological diversity of Andean Polystichum (Dryopteridaceae): seeking explanations for incongruence between sequence variation and morphological variation"

The Pteridological section contributed $400 to the publication of the Annual Review of Pteridological Research, Volume 24 (2010).

Funding from BSA also allows the Pteridological Section to provide $400 travel awards (in conjunction with the American Fern Society) to qualified students giving oral presentations in the joint Pteridological Section/AFS contributed papers sessions. A total of four awards were provided to help students attend the Botany 2012 meetings in Columbus, OH. These awards were given to the following students:

1) Amanda Grusz, Duke University (Advisor: Dr. Kathleen Pryer) – Botany 2012 presentation entitled “Using next generation sequencing to develop microsatellite markers in ferns”

2) Stacy Jorgensen, University of Vermont (Advisor: Dr. David Barrington) – Botany 2012 presentation entitled “New insights into the heritage of Pacific Northwestern polyploids in the genus Polystichum (Dryopteridaceae)”

3) Meghan McKeown, University of Vermont (Advisor: Dr. David Barrington) – Botany 2012 presentation entitled “A molecular phylogeny of seven cpDNA markers supports the inclusion of the Australian monotypic Revwattsia (Dryopteridaceae) in Dryopteris”

4) Weston Testo, Colgate University (Advisor: Dr. Eddie Watkins) – Botany 2012 presentation entitled “Comparative gametophyte ecology of the American hart’s-tongue fern and associated fern taxa: evidence for recent population declines in New York State”

Submitted by Section Chair: Michael D. Windham
Pteridological Section, Botanical Society of America

1 July 2012
This year (2012) BSA Systematics Section used income from Section dues to support student participation in field trips associated with the Botany 2012 conference. ASPT has joined Systematics Section in offering field trip support. Expenses are being split evenly between Systematics Section and ASPT. We provided up to $100 per student toward the cost of the field trip. So far this year we supported 16 students for a total of $900, split between Systematics Section and ASPT.

Sponsorship of symposia, colloquia, and workshops. Thirteen symposium/colloquium proposals were submitted for Botany 2012, although one of them was later cancelled. In addition seven colloquia were proposed. Four symposia and five colloquia are related to systematics and have been sponsored by ASPT and/or BSA Systematics Section. Details on sponsorship and funding are provided below. John Freudenstein (BSA Systematics Section Chair) and I considered requests for sponsorship and funding that were directed to Systematics Section. As in previous years, ASPT and Systematics Section have coordinated funding decisions to maximize support of sponsored symposia. I list here all symposia and colloquia that were sponsored and funded by Systematics Section and ASPT.

Financial Support. BSA Systematics Section and ASPT supported three symposia with funding: 1) $1000 from ASPT and $500 from Systematics Section for “Ephedra pollination and other gnetalean oddities.” Organizers Catarina Rydin and Stefanie Ickert-Bond 2) $1000 from ASPT and $3000 from IAPT for “Where is plant systematics headed in the next ten years?” Organizers Tod Stuessy and Vicki Funk 3) $500 from ASPT and $1000 from Systematics Section for “Growing the next generation in plant genomics” Organizer Ashley Egan

In addition to the symposia, the systematics program will include 2-3 concurrent sessions from Monday morning through Wednesday afternoon, plus the biogeography topic session, which contains many systematics papers.

Respectfully submitted,
Patrick S. Herendeen
The meeting opened on Sunday evening with a lecture by Dr. Karl Niklas, Cornell University, on “Fossil Ferns of the Finger Lakes.” On Monday the group traveled by chartered bus to Lime Hollow Center for Environment and Culture in Cortland County. Botanizing took place on the Phillips Memorial Trail to Chicago Bog (a Sphagnum bog with a floating mat dominated by Chamaedaphne calyculata), plus a loop including the Lehigh Valley, Fen Way, Fen Connector, and Bog Spur trails. Besides the bog, the habitats included rich to acidic mesic forests, swamps, and calcareous fens. Botanical highlights included abundant Allium tricoccum in flower bud, Calamagrostis canadensis, Calla palustris, Comarum (Potentilla) palustre, Dryopteris cristata, D. goldiana, Dulichium arundinaceum, Eriophorum viridicarinatum, Hydrophyllum canadense, H. virginianum, Iris versicolor, Lysimachia thyrsiflora, Maianthemum stellatum, Ribes hirtellum, Toxicodendron vernix, and at least 16 species of Carex including C. canescens, C. flava, C. gracillima, C. hirtifolia, C. hitchcockiana, C. hystericina, C. interior, C. pallescens, C. pensylvanica, C. platyphylla, C. praevia, C. schweinitzii, and C. scoparia. After lunch at the Lime Hollow Visitor Center, the group continued to Bear Swamp State Forest, in the Town of Sempronius, Cayuga County. The habitats were rich forest, swamp, and calcareous rich shrub fen near the headwaters of Bear Swamp Creek. Highlights included Actaea rubra, Arisaema triphyllum ssp. stewardsonii, Carex intumescens, C. nova-angliae, C. scabrata, C. stipata, C. stricta, Corylus cornuta, Dasiphora (Potentilla) fruticosa, Drosera rotundifolia, Dryopteris clintoniana, D. x boottii, Equisetum fluviatile, E. sylvaticum, Galium labradoricum, Ilex mucronata, Larix laricina, Lonicera canadensis, L. oblongifolia, Myrica gale, Oxalis montana, Rhamnus alnifolia, Rubus canadensis, R. dalibarda, R. pubescens, Sanicula marilandica, Schizachne purpurascens, Viburnum lantanoides, plus four species of orchids in bloom: Cypripedium acaule, Platanthera dilatata, P. grandiflora, and P. huronensis. A stand of the native giant reed, Phragmites americanus, was observed in the shrub fen. David Werier explained the characters distinguishing it from the introduced, invasive P. australis. In the evening, the group car-pooled to the Cornell University Campus for a tour of the L. H. Bailey Hortorium herbarium by Dr. Anna Stalter, plus a lecture by Dr. Robert Dirig, on “Liberty Hyde Bailey and ‘Things of the Garden’.”

On Tuesday the group carpooled to Michigan Hollow, a few miles south of Ithaca in Danby State Forest, Tompkins County. Habitats included rich peat swamp, rich and acidic upland forest, and an extensive marsh dominated by sedges, including Carex comosa, C. diandra, C. lacustris, C. utriculata, and at least four others in that genus. The swamp was also rich in Carex (at least eight species, including C. bromoides, C. gracilens, C. laevigatana, C. leptalea, and C. trisperma) along with Clintonia borealis, Fraxinus nigra, Geum rivale, Gymnocarpium dryopteris, Lilium canadense (in flower bud), Ribes lacustre, R. triste, and luxuriant bryophytes. The upland forest included Brachyelytrum aristosum, Geum urbanum (exotic), Milium effusum, Spinulina (Lycopodium) annotinum, Trillium erectum, T. grandiflorum, T. undulatum, and, of course, more Carices (at least nine species, including C. laxiculmis var. laxiculmis, C. laxiflora, C. leptonerva, C. radiata, C. rosea, and C. sparganioides). After lunch at the Jennings Pond section of Buttermilk Falls State Park, the caravan moved to Thatcher’s Pinnacles, a forested ridge crest in Danby State Forest, with an overlook of the inlet valley at the southern end of Cayuga Lake. The habitats consisted of dry upland forest on the ridge plus dense successional vegetation in the overlook clearing. Highlights included Asclepias quadrifolia, Boechera (Arabis) canadensis, Botrychium matricariifolium, Bromus pubescens, Carex arctata, C. digitalis var. digitalis, C. normalis, C. sicca, C. willdenowii, Ceanothus americanus, Dicrananthelium latifolium, D. linearifolium, Elymus trachycaulus, Juglans cinerea, Lilium philadelphicum (in bloom), Magnolia acuminata, Pinus resinosa, Piptatherum (Oryzopsis) racemosum, Rhus aromatica, and Viburnum rafinesquinianum. David Werier demonstrated how to discern species of Crataegus (in immature fruit), and dewberries (in Rubus section Eubatus). He discussed the current trend of again recognizing some segregates within the overly broad species concepts that have been current for many years within these two
problematical taxa. He also emphasized the value of recognizing well-marked varieties in species such as *Elymus hystrix* and *Galium circaezans*. The lecture on Tuesday evening was by Dr. Bernd Blossey, Cornell University: “Lifting the Curtain on a New Eco-evolutionary Dance of Plants and Worms and Deer”. His findings raised many questions and much discussion, which he generously entertained for some time after the lecture had formally ended.

One Wednesday the group car-pooled to Taughannock Falls State Park, Tompkins County. Some participants hiked the North Rim Trail to the Falls Overlook, while others walked the gentler Gorge Trail along Taughannock Creek. The upland forest and rock outcrop along the upper trail included *Acer ginnala* (exotic), *Amelanchier amabilis*, *A. sanguinea*, *Carex aurea*, *C. blanda*, *C. cephalophora*, *C. granularis*, *C. platyphylla*, *C. rosea*, *Cornus alternifolia*, *C. rugosa*, abundant *Cynanchum rossicum* (invasive exotic), *Hylodesmum* (*Desmodium*) *glutinosum*, *Juniperus virginiana* (gnarled old trees), *Penstemon hirsutus*, *Phlox subulata*, *Physocarpus opulifolius*, *Polygala senega*, and *Staphylea trifolia*. The mesic forests, talus slopes, and creek banks along the lower trail featured *Acer spicatum*, *Campanula rotundifolia*, *Carex alburnsina*, *C. plantaginea*, *Deutzia scabra* (exotic), *Diervilia lonicera*, *Diplazium pycnocarpon*, *Populus deltoides*, and abundant *Spiraea japonica* (invasive exotic). During lunch, the group viewed *Butomus umbellatus*, an exotic in bloom along the creek. The afternoon was spent just south of Ithaca College in the South Hill Natural Area, which features a swamp white oak swamp, acidic upland forest, dry clearings, wet meadow, and pond. Noteworthy species included a mixture of natives and exotics: *Asclepias speciosa*, *Galium boreale*, *G. lanceolatum*, *G. palustre*, *Lathyrus pratensis*, *Lyonia ligustrina*, *Marsilea quadrifolia*, *Nymphaea odorata*, *Penstemon digitalis*, *Pinus rigida*, *Platanthera flava* var. *herbiola*, *P. lacera*, *Potamogeton natans*, *Prunus pensylvanica*, *P. pumila* var. *susquehanea* (in wire cages for protection from deer), *Quercus bicolor*, *Q. coccinea*, *Trichophorum planifolium*, *Viola subsinuata*, and at least 19 species of *Carex*, including *C. atlantica* ssp. *atlantica*, *C. baileyi*, *C. folliculata*, *C. glaucodea*, *C. hirsutella*, *C. lurida*, *C. lucorum*, *C. swanii*, *C. tenera*, *C. umbellata*, *C. vulpinoidea*. David Werier described species distinctions within the elusive section Acrocystis while holding his listeners’ attention, a tribute to his skill and charisma as a teacher. The group returned to Ithaca College for an excellent buffet dinner, and David gave a lecture on “The New York Flora Atlas – A History of Tracking the Distribution of Plants in New York State”. The meeting concluded on Thursday morning with a fascinating tour of the Cornell University Plant Pathology Herbarium provided by Dr. Robert Dirig and Dr. Scott LaGreca, and some participants still had enough time to visit the Cornell Plantations.

Report submitted by Larry Klotz