

November 2013



The Titan MPS™ Sample Preparation System
It's not just the microwave, it's everything behind it.



FONZIE GIVES TWO THUMBS UP TO SCIX 2013 AND THE SAS EVENTS!



SCIX 2013 was a resounding success! Milwaukee was a great host city, the technical program was outstanding, and SAS sponsored its customary smorgasbord of outstanding social events and professional programs.



1-855-BW-RAMAN
www.bwtek.com

Comments to david.butcher@Analytchem.org

SAS MEMBERS EVENT AT SCIX 2013: *TOUR OF THE PABST BREWERY*



SAS presented its fifth annual members event at SCIX 2013. Members enjoyed lunch while enjoying the Pabst Brewery. A presentation and tour reviewed the history of brewing at the site. An excellent time was enjoyed by all and congratulations to Gloria Story and the SAS Office for organizing this event.

SOCIETY FOR APPLIED SPECTROSCOPY UNDERGRADUATE STUDENT TRAVEL GRANTS

To encourage undergraduate student research in spectroscopy, the Society for Applied Spectroscopy (SAS) offers a limited number of travel awards of up to \$300 per student to attend SciX, the annual national meeting of the SAS. Awardees present to receive their awards included Victoria Robideau (University of North Texas), Russell Putnam (University of Windsor), Natascha Knowlton (University of Utah), and Will Jones (Wake Forest University).



SAS Undergraduate Travel Awardees with SAS Student Representative Ryan Schmeling (far left): Victoria Robideau, Russell Putnam, Natascha Knowlton, and Will Jones.

SAS STUDENT POSTER AWARD WINNERS

SAS held the annual Sunday night student poster session at SCIX in Milwaukee. Four students were recognized for the most outstanding presentations. The awards were presented by Ryan Schmeling, SAS Student Representative.

Erin Boyle (*below left*), University of Wisconsin-Madison, for “Fully Coherent Hybrid Raman-IR Multidimensional Spectroscopies.”



Joanna Denbigh (*above right*), University of Manchester, UK for “ToF-SIMS as a Tool for Probing Lipid Saturation in Acute Myeloid Leukaemia Cells Treated with a Novel Combination Therapy.”

Sarah Holton (*below left*), University of Illinois, for “Towards Stimulated Raman Scattering for Cell Type Differentiation.”



Shweta A. Raina (*above right*), Purdue University, for “Using Environment Sensitive Fluorescence Probes to Estimate Amorphous Solubility and Characterize Liquid-Liquid Phase Separation Behavior in Highly Supersaturated Solutions of Poorly Soluble Compounds.”

President's Report to SAS Executive Committee

SciX

Milwaukee, WI September 28 2013

August 27 2013, Katherine A. Bakeev

Serving as President of the SAS has been a busy role with many activities undertaken in an effort to improve our operational efficiencies and continue to promote the goals of the Society: serving our members in providing information and education relating to spectroscopy. The Executive Committee has met several times via teleconference to review business. I am grateful to the Society office staff and all the elected and appointed officers and volunteers for all their dedication to the Society.

I would like to thank Mary Anne Orhloff for her work as our web liaison and database manager, a post from which she resigned effective May 1. We are grateful for her efforts and glad that she continues to work as the SAS bookkeeper. In this capacity she continues to provide monthly financial updates to the EC, and assistance to our office for the SAS audits.

In late 2012 an ad hoc committee to review the SAS website was created by then President Mary Kate Donais, following concerns from many members over our expenditures on the website, and the length of time the development has been taking. The committee's report was presented at the Executive Committee meeting held in conjunction with Pittcon in Philadelphia.

Thanks to the committee's work improvements in the security of the website have been made. The overall website has not progressed much in this year, as much of the development work has been on back-end office capabilities making our website very customized to cover all aspects of office accounting as well as membership. Numerous website goals set in 2011 have not yet been met necessitating more proactive approach to the SAS website design and management. Some of the very good items planned for completion by 2013 include:

- Migrating the subscriber database for a Microsoft Access database to a cloud-based database on the website
- establishment of a schedule to increase home page and feature page information turnover to at least monthly
- creation of a "Tour Speaker Highlights" page
- addition of a "Featured Member of the Month" page
- addition of a restricted access content area to facilitate information sharing within and among committees
- addition of a "What's Hot? - Upcoming Scientific Challenges or Opportunities"
- creation of an online store offering spectroscopist spirit merchandise
- conversion of the newsletter pages from isolated items into a searchable database

Proposals on cost-effective options for the SAS website with off the shelf solutions are under study, as are alternative groups who can do the custom programming that the current website is based on (in Django). As the SAS website is a key communication tool and information source for our members, it is important that this continue to develop to meet our continuing needs. It has been a costly development and has caused the SAS to operate in deficit budget overruns for a few years. Though spending for the future with our cash reserves has always been approved by the Governing Board, it has also raised concerns, and therefore steps are being taken to try to contain our website costs. In May Francis Esmonde-White, chair of the ad hoc committee, was appointed interim Web Site editor.

Mary Kate's leadership has also continued in working with the Coblentz Society and OSA to update and finalize our agreement with them for the Lippincott Award, and the management of the endowment of this award. The agreement to have OSA administer the Lippincott Award and manage the funds has now been signed.

The SAS national meeting is SciX, and is the place where we sponsor student poster awards, and hold our annual Governing Board meeting, member reception, and also members-only event. We are proud to be able to sponsor numerous sessions at this year's conference, in addition to the funding provided for early career scientists. SAS is also providing support for a session on Women in Science, chemometrics sessions, and LIBS sessions. There will also be a session around one of the Focal Point articles published in Applied Spectroscopy this year. This session will feature the author of the March focal point "Bioanalysis and Bioimaging with Quantum Dots". SAS must continue to engage and show leadership in the technical organization of our National meeting, as well as in our Society business meeting, and in our social and networking events.

Our journal has been at the University of British Columbia, home of our Editor in Chief Professor Michael Blades, for over a year now. The staff has been increased to have Joanne Jablowski as full-time Editorial Assistant. The journal continues to thrive, and we look forward to initiatives they are proposing on open access options for our authors, keeping pace with current trends in scientific publishing.

Though my term as president continues to the end of 2013, I would like to take this time to thank all those who have served on the executive committee, especially those for whom this is their in person EC meeting. This includes Paul Bourrasa who has served as our treasurer for 6 years, and has been an active and avid supporter of SAS over his many years of membership. Thanks to Mary Kate Donais who will be finishing her term as past president in December, and has worked tirelessly on numerous initiatives during her years including creation of the ad hoc Web committee, and the transitioning of the Lippincott Awards fund management to OSA, which with the Coblentz Society is a co-sponsor of this award.

Thanks also to Dave Butcher who has brought us without fail a monthly newsletter over the past 6 years. Thanks to David Heaps for his great work as chair of the Regional, Technical and Student Sections in getting interest in SAS sections in other parts of the world, and helping the

UK section get launched. Under his leadership there has also been an increase in student sections.

Thanks to everyone who is working so hard for the SAS. It has been my pleasure and honor to serve the Society as president these eight months, and I look forward to continuing in this capacity through the end of 2013.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Katherine A. Bakeev", with a stylized flourish at the end.

Katherine A. Bakeev

FINAL MINUTES – amended 9/26/13

EXECUTIVE COMMITTEE BUSINESS MEETING AGENDA
SUNDAY, MARCH 17, 2013 (WASHINGTON C ROOM)
LOEWS PHILADELPHIA HOTEL
PHILADELPHIA, PA
Business Meeting

Motions are underlined. Action items are in **bold**.

8:00 a.m. Breakfast in Room

8:30 a.m. I. Call To Order Katherine Bakeev

John Wasylyk comments re: parliamentary procedures, affirmed voting members are EC members, respecting of others' and all opinions and respecting of the rules of order

II. Roll Call: Robert Lascola

President – Katherine Bakeev (KB) present (pr)
President-Elect – Ian Lewis (IL) pr
Past President – Mary Kate Donais (MKD) pr
Treasurer – Paul Bourassa (PB) (he will be late to the meeting) (arrived late as noted below)
Secretary – Robert Lascola (RL) pr
Membership Coordinator – Karla McCain (KM) pr
Regional and Technical Section Affairs Coordinator – David Heaps (DH) pr
Student Representative – Ryan Schmeling (RS) pr
Interim Web Editor – Ron Williams (not attending) not present
Journal Editor-in-Chief – Michael Blades (MB) pr
Journal Editor – Peter Griffiths (PG) pr
Parliamentarian – John Wasylyk (JW) pr
Executive Director – Bonnie Saylor (BS) pr

Also attending:

Newsletter editor – David Butcher (DB) - pr
Stephanie Iocco – pr
Advertising representative Bill Cunningham (BC) (arrived late as noted below)
Ad hoc web committee chair Francis Esmonde-White (FEW) (arrived late as noted below)

8:35 a.m. III. Approval of Minutes from September 29, 2012
Executive Committee meeting

RL moves to accept , MKD 2nd – passes 4-0

8:40 a.m. IV. Reports
A. President Report Submitted

FINAL MINUTES – amended 9/26/13

- B. Secretary Report Submitted
- C. Treasurer Report Submitted
- D. Executive Director Report Submitted
- E. Journal Editor Report Submitted
- F. Newsletter Editor Report Submitted
- G. Membership Coordinator Report Submitted
- H. Web Editor Report Submitted
- I. Student Representative Report Submitted
- J. Regional/Technical Section Affairs Report Submitted

IL moves to accept, MKD 2nds, approved 4-0

9:00 a.m. V. National SAS Committee Reports

- A Awards Report Submitted
- B Constitution and Bylaws Report Submitted
- C. Nominating Report – submitted

BS notes that Brandye Smith-Goettler accepted nomination for Treasurer (late note from Curtis Marcott).

- D. Publications Report Submitted
- E. Publicity Report Submitted
- F. Tour Speaker Report Submitted
- G. Meggers Award No Report (should be Waiting on Report)

PG and MB noted that the Meggers Award is getting done, very slowly. They have tried to move the process along (to the dismay of the chair) – but this is needed to feed to SciX for programming... IL has asked (from his FACSS position) for something by March 29th.

- H. Strock Award Report Submitted
- I. Fellows Committee Report Submitted
- J. Lippincott Award Report Submitted
- K. Tellers No Report (not expected)

MKD moves to accept, RL seconds, passes 4-0

9:30 a.m. VI. Delegate Report

- A. FACSS Report Submitted
- B. Chemical Heritage Foundation (CHF) Report Submitted

IL asked what our specific commitment is to CHF. BS responded that it is \$1K for affiliation but otherwise nothing specific. KB noted that delegates to FACSS will be her, MKD, and JW (JW replaces IL, who wishes to avoid a Conflict of Interest due to his role as FACSS Governing Board Chair in 2013).

FINAL MINUTES – amended 9/26/13

IL moves to accept, RL seconds, passes 4-0

9:45 a.m. VII. Unfinished Business

A. Student Ambassador Program Ryan Schmeling

RS noted that he has had to reject some applicants outright, and the 4-5 submitted are the best of them. He explained what the students do and what the society does (had picked a conference, selected students, and sent the materials along – society decided recently to expand to letting the students request a conference). The students are generally asking for a “ridiculous” amount of money. He suggested paying registration costs, but is also worried that students will turn it down if they don’t get travel money. The one student who had mentioned a list of conferences was asked to narrow it down, but hadn’t responded yet.

MKD noted that one student (Darkhalil) that she has spoken with was actually more in tune with SAS than indicated in the application.

BS noted that there is a \$2K cap for all applications total as previously decided and voted on.

RS suggested covering registration for all students, and seeing who accepts.

RL suggested redistributing money if some students reject offer.

KM suggested giving a fixed amount to cover differences in registration (not being inequitable). RS asks for clarification because the amount could depend on the number of applicants.

KB asked do we accept all applicants. PG said no, and cited one applicant who applied for a conference that we don’t really cover.

KM noted in the future to ask the applicants to be clearer about where they are going.

MB asked if we should expect a report for the newsletter, KB agreed for going forward, noting SciX symposia where we have made similar requests.

Walking through the applicants:

Minardi: RS: the most reasonable monetary request (registration for ASMS (\$120)). RL noted that she seemed to actually understand what being an ambassador was about.

MKD noted that while ASMS wasn’t in our normal circle, it could be a good way to explore that cheaply. KB moves to award her, RL seconds, awarded 4-0.

Darkhalil: KB: relatively weak application, seems like a troll for money. RS agreed.

MKD noted that she had talked with this person and there was more to the application than what was on the paper. BS suggests we could specify which conference we’d appropriating money for. IL notes that of the 5 conferences suggested, 2 don’t take place in ’13, and we don’t need a FACSS or Pittcon rep, which leaves TURCMOS. IL moves that Darkhalil receives a student ambassadorship, KB 2nds... opposed 0-4.

Tross: The application requests flight expenses. RS recommends paying for registration. ATTO is attosecond physics conference; KB moves to accept; RL 2nds, passes 3-1.

Vargas: Application requests travel to NIR2013 (Montpelier, FR); registration is \$600
KB moved to accept, MKD 2nds, passes 3-1.

Borovinskaya: There was general discussion on how to include money that would be “spent” in ’14, since we don’t carry over money between years. IL noted that it would be a low risk to fund and reimburse registration in ’13 due to the timing of making the arrangements, although though once the money is given out, we have less chance of getting a report. MKD noted that we need to keep track of carrythrough of funds when we are considering the timing. IL noted that we could move consideration for this to SciX, for the following year. BS noted that that at that point, we would not have decided what we are budgeting for it. IL moves to accept this application, with funding to be drawn from the 14 budget, MKD seconds, passes 4-0.

Accepted 4 candidates, rejected 1 – IL moves that the value of the award is \$500 for each candidate, KB seconds – passes 4-0.

In the future we will define a little better the requirements and request something for the newsletter and perhaps the journal. **KB asked MKD and KM to work with RS on the refinement of the ambassador program**

B. Other Student Issues Ryan Schmeling

Student event – Finn McCool’s on Monday night

BS notes that RS’s term is ending in ’13, and requests for nominations for his replacement have gone out by email blast.

C. 2014 PittCon Symposia Mary Kate Donais

MKD, BS – Max Diem’s symposium has lots of international speakers, PG notes that Pittcon will pay for 1 international traveller but won’t be pleased if there are 6 of them; BS and MKD note that they have been working with John Jackovitz at Pittcon about it; BS noted the process.

PG observes that there are two symposia in the works. Scott Tanner is doing mass cytometry, and Diem is doing vibrational spectroscopic diagnosis. Both have too many international attendees proposed and are working on reducing the list. BS notes that though Max had 9 names, that wasn’t necessarily how many would speak (responding to PG’s concern that spending \$2k for a 20 minute talk wouldn’t fly).

MKD notes that some of the people involved are at Pittcon and further discussions can take place this week.¹

¹ KB notes in review that since the EC meeting, “both symposia have been accepted by Pittcon for 2014. Thanks to Curt Marcott for carrying through this activity with MKD.”

PG suggests SEIRS (surface-enhanced infrared spectroscopy) as a '15 topic (where SERS was 20 years ago).

BS notes you have to have a good topic with respected people to get fully funded (agreement at table that Tanner's and Diem's symposia have good names associated).

D. SciX/FACSS Updates/ SAS Sponsorships Ian Lewis & Katherine Bakeev

KB: EC has approved support of 2 sections from our surplus funds by email discussion (Shaver – chemometrics; Petterson – women in science); Mike George has also had the idea to support women in science and is working w/Petterson; approved \$1K for Shaver and \$500 for WiS.

MB – On the topic of providing seed money for a LIBS symposium at the annual meeting of NASLIBS: this was an email discussion with an email vote. EC is not remembering symposium support as part of the discussion. IL dug up emails from MB with BS comments (Oct 11-12, after the SciX EC meeting). In summary: MKB email: need to vote for \$3K from FACSS surplus, KB responded a vote in favor, PB voted in favor, Curt Marcott voted in favor, MKB voted in favor, Michelle Meighan voted in favor (EC had approved 5-0)... **MB and MKD need to “Fill the gap” on communication, i.e. official letter of support.**²

Total \$3K for LIBS, \$1K for chemo, \$0.5K for WiS.

EC also approved \$4K for SciX pending a proposal for early career researchers (ECR). IL fills in Mike George's ideas for SciX programming including the ECR proposal (Received yesterday):

1- Student oral presentations: incorporate some students into innovation awards session as 5 minute presentation (in the gaps) to increase student visibility (a well attended session) – questioning if 5 minutes is enough to get the students set up and communicating anything at all, though JW notes that the symposium is pretty tight as it is... Can Mike find another time to fit these in and achieve the same goals? IL suggests feedback to Mike of a bit longer presentation time, and reallocation to another session? If the session is moved to earlier in the week, then there would be time for followup, poster attendance, etc.

2- *Applied Spectroscopy* focal point (FP) article session – MG would like to build on it, do we want to continue? Session on super-resolution imaging, “if MB is up to it” (IL paraphrase) MB knows names, but disavows any personal involvement. PG and MB confirmed that the FP article was the most downloaded “by a mile”. MB noted Zhuang at Harvard with STORM technique is pretty good. KB noted that we are all generally in agreement that the FP session is a good idea. MB called out mass cytometry as a candidate, but also to highlight the FPs.

IL also asked, if we put on a special session on super-resolution imaging, do we want to

² MKD notes in review that she “spoke with MB and Steve Buckley (NASLIBS) regarding the approved funding and NASLIBS agreement to publish proceedings in *Applied Spectroscopy*. Follow up letter from NASLIBS to confirm commitment and SAS support is in process.”

FINAL MINUTES – amended 9/26/13

put in money? MKD noted that we gave money (BS says \$3.5K) last year, but the talks were spread out into separate sessions that were dedicated to those topics. MB noted that the fact the talk was related to a FP article was highlighted, but we didn't have a FP-specific session. MB wondered if there is a token (ribbon) the FP authors could wear to identify them? IL suggests identifying them with an announcement at the Sunday poster session, and giving them ribbons.

IL suggests spending \$1.5K to support a FP area (e.g. super-resolution imaging). KB asked if we are also going to support FP authors to attend. IL observed that most FP authors were going to come anyway; MB and PG thought that maybe half would attend. BS, MB suggested that concentrating on a topic would be better. IL moved that we organize a “focused session” at SciX on a recent FP topic and allocate \$1.5K to support registrations (from FACSS surplus). MKD seconded, passed 4-0. (good opportunity for promotion, make article available to attendees)

IL said that he would like to continue to see FACSS highlight FP authors in the SciX program – feedback to Mike George would be to continue that highlight with information from MB or BS. Also, all agreed to highlight FP authors at SAS Sunday poster session (a suggestion was made that this highlight might include SAS-supplied special ribbons).

There are 3 sessions on ultrafast 2D IR. Mike G. asked if we could give \$1K to support an honorary symposium for John Wright's 75th birthday. PG noted that he was on the board of the journal but there weren't a lot of papers in the topic. KB noted we should be generally supportive of spectroscopy. MKD added we should ask for a write up/summary (KB stating that should really be standard). IL, DB also noted that we should advertise it ahead of time. KB moves to support the ultrafast 2d IR sessions with surplus funds, at \$1K. MKD seconds. We are holding off on a vote until PB comes due to IL, RL abstaining. * see below

There was discussion about having the SAS slide set displayed somehow during sessions we sponsor. Options include a 1-3 slide presentation, and/or handouts at the back of the room. Sunday night is certainly “our night” so we can do what we want then, and also promote Monday/Tuesday events. We can also have a display cycling in the corner during poster sessions (BS can talk with Cindi Lilly to work out logistics). IL noted we can mix in with other displayed funding to show we are a part of the sponsorship. JW suggested some other venues and suggested Mike Carrabba was a good person to enlist. **BS will get someone to help with putting the slide show together.**

Supporting ECRs: Mike George email regarding Early Career Researchers. A proposal sent yesterday was slightly adjusted from an earlier version. The award would be split between 2 categories, PhD students and postdocs, because students have different registration costs. The proposal is to give 2K to support registration for 4 postdocs (@\$500 each), and 12 @\$170 = \$2040 for students. The new total is \$4040, rather than the previously approved \$4K. A formal letter would be sent to all SAS members, clarifying that the ECR applicant needs to be a SAS member and that the supervisor needs to approve. There was general agreement that we are looking for something value-

added. We want to attract someone who isn't going to be attending SAS anyway. We should also use a Form 6 so that this comes out of surplus funds.

IL described the registration form that allows someone to register as an ECR and in this way apply for it. Discussed that mechanics of how this would be applied needed to be figured out. MKD suggested we could vote to approve the money, contingent on the completion and subsequent EC approval of the details of implementation. IL moves that we amend the past budget and motion for this by adding \$40. MKD seconds. Approved 4-0.

Items to communicate to/work with Mike George (MKD?): (a) SAS will organize a “focused session” at SciX on a recent FP topic and allocate \$1.5K to support registrations (b) as part of the \$1K support for the John Wright symposium, we would like a writeup/summary of the symposium for the newsletter; (c) resolve issues associated with the ECR application.

* Returned to Wright/ultrafast 2D symposium motion – it was decided that a binding decision on this motion could be made with the present numbers – passed 2-0-2.

(Discussed after D in Bill Cunningham's absence) BS – Bill (Technology Marketing Partners) (TMP) is working on our account to replace our working with Allen Press (AP). There have been some rough transitions in working with the new company. This does not affect our relationship with AP on the journal. MB noted that with respect to the journal, getting all 3 entities to work together has been difficult. Kristin MacDonald (in journal office) and Bill are working well together now, but that there are still some issues with AP. Originally the problems added 10-12 hours per month to Kristin's work, but it is less now. BS noted that we always have kept the advertising and technical parts of the journal separate. MB noted that AP is always behind their estimated schedule; there is an extra step in the communication between AP and TMP.

E. Lippincott Fund Transfer Update Mary Kate Donais

MKB has distributed latest version of transfer of Lippincott endowment to OSAF. OSAF hasn't yet returned the latest version based on recommended changes from Coblenz (Myrick) and SAS. Since we don't have that version, there may not be anything for us to vote on at this time.

The main point is that we are not going to continue to spend down the endowment, but all three organizations are going to contribute to build it back up. OSAF is the best choice to do this. BS states for the record that nothing has been done that hasn't been voted on already, and that there were no mismanagement issues involved. IL notes that we have \$5K budgeted to contribute to the award³, and that the agreement between the three

³ MKD notes in review: “Need to consult yearly budgets and EC/GB minutes on this and be sure deductions to fund were done only in years that it was voted on to do that.”

FINAL MINUTES – amended 9/26/13

organizations is to not spend down the \$12K that exists in the fund now.

Discussion of where the money comes from for '13 – can vote on future steps by email. Future money will come out of budget, rather than reimbursed through Lippincott account.

BS notes that we need to order new awards, she had delayed getting new ones pending resolution of this.⁴

F. Constitution/Bylaws Changes Katherine Bakeev

KB sought approval to take the Constitution to the membership for voting; bylaws still need work to properly reflect our operations and perhaps institute some changes to governance.

With respect to the constitution, we are making sure that we are properly representing that we have student sections. DH asked if we have to vote on each change individually. At least by section, it was agreed. BS noted we need to set this up through our normal election. KB would like it to be done faster if possible.

IL notes that there are still some comments in the margins of the latest draft; agreed that we need to address these before we send out.

First comment (Article XIII, Sec. 2 – “best to leave details of ballot out of this document”) – IL moved that the comment is persuasive and should be removed, MKD seconded, approved 4-0.

Second comment (Article IX, Section 2) – to address the concern that the language makes it seem like the EC is not part of the GB, IL moved that the word “appointed” is replaced with “elected”, and the comment removed. KB seconded. Approved 4-0.

Third comment (Article IX, Section 4) – With regards to a comment that this section is redundant with another section of the constitution, KB moved that the redundancy is permitted and the comment can be removed, IL seconded, approved 4-0.

IL moved that we postpone further discussion on this until after discussion of the governance structure, KB seconded, passed in favor 4-0... skip to H.

Returning from H: (Based on the discussion in H noted below), JW asked to make sure that the international delegate isn't mentioned somewhere else in the Constitution. Confirmed that it did not appear elsewhere.

KB moved that we accept the constitution as amended right now, and send to the membership for vote; KB amended per IL that we put it to a membership vote by the end of May; MKD seconded, passed 5-0.

(KB needs to send a “marked up clean copy” (showing the changes under

⁴ MKD notes in review that she is continuing to work with Myrick on this issue.

consideration) to Bonnie for distribution.) BS suggested 4 weeks to have it out for votes, with a reminder send out after 2 weeks. JW also noted it should be in the newsletter, DB said he would include it.

G. Publicity Committee Report Review Katherine Bakeev

KB would like to have a future teleconference to look at the details of the proposals in the report. IL so moved, KB seconded. Approved 5-0.

BS noted that KM's membership committee meeting will discuss this on Monday March 18th.

H. Governance Structure Bonnie Saylor

(from F) – BS noted the history of how we have gotten to where are in the way we govern. There are currently 15 board members. Ten are voted on by the membership, and 5 are “elected” regional section delegates. At one time, we had difficulty having enough people at a governing board meeting to reach a quorum. It was desired to avoid any shift that would exclude or anger the local sections. Also, currently tech and student sections can send a representative, with a counting vote, but their presence is not required for establishing a quorum. As the times have changed, and sections have become less active, BS proposed that for the purposes of the quorum, we'd replace the local section delegates with the 5 appointed officers. Also, originally we'd built in a requirement that one member of the board be international; now we could remove the need to single out international representation as we go to being fully international and special consideration is not (or should not be) necessary. Further, can we remove the \$200 travel stipend for the GB (not a lot of money, but is it necessary to get people to come?). Also to consider: do we want to move the GB meeting from SciX to Pittcon? Pittcon might allow for greater attendance, although SciX is our national mtg.

1 – change of governing structure. PG was concerned about perception that this could look like the EC trying to create a rubber stamp body. After discussion, it was clear that this is only an attempt to make it easier to get a quorum, and not to diminish the ability of the regional section delegates to participate in the GB process.

(Paul Bourassa and Bill Cunningham enter the meeting at this point)

IL suggested that all 15 board members could be elected. Question – does that imply three year terms with 5 elected each year (since they are currently staggered).

Given the lower overall membership numbers, it would be easier to only get 10 members than 15.

To address this and the (2-international delegate issue), IL moves that we amend Article IX, Sec 2 of government to read: The GOVERNING BOARD shall consist of the elected officers, the second-Past President, and 10 elected members. Those elected shall consist

of 10 at-large members elected by the Society membership. In addition, each Technical, Student, or Regional Section may send one voting delegate to represent that Section. Seconded by MKD. Approved 5-0.

3- On removing the stipend: BS noted that the impact on budget is only \$2K, and in practice not everyone takes it. IL noted that we had already made cuts in other areas. There was general agreement to leave it in place at same level (\$200 per person, thus a small net reduction in our potential expenditure) – no need to vote.

4- On moving the GB meeting to Pittcon. PG noted that at Pittcon, he is extremely busy, as likely are others, and one would be more likely to get a quorum at SciX. KM thinks there's a trade-off, where the advantages of being a SAS member at SciX are more clear than at Pittcon. There was general agreement to leave things the same (for now).

I. E-Newsletter David Butcher
Bill Cunningham

DB – For the past 8 years, the newsletter has been posted as a pdf on the website. He asked if, alternatively, the national office can send out the newsletter, taking advantage of their maintenance of the email list. He can turn his Word document into whatever format is required for distribution (html, pdf). KB asked why the pdf format is posted on the website – several people replied that it is good for archiving. BS noted that the pdf format is a clean version that is acceptable. Our advertising reps also want feedback on how well the ads are being received in the newsletters. Coming from the office, it could be in html format with live links for the ads and other items. Probably May would be when this version has been tested and assured ready for distribution. **BS has the newsletter to conduct the test with, and she will carry on with the testing.**

J. Journal Updates Michael Blades

(Francis Esmonde-White enters the meeting)

MB's report started with highlights from 2012: the OSA contract was renewed, the journal office transferred to Vancouver, there were various personnel changes, SAS entered into agreement with TPM, an ethics document was generated, the journal has maintained high quality content... (see the report for full details)

Concerning the ethics document: its creation was prompted by several cases, e.g. of an manuscript received that had to be withdrawn due to (accidental) discovery of plagiarism. The process is to run manuscripts through Authenticate, get a probability score for plagiarism in a specific section, then the editors have to manually evaluate the file, which adds to work (Authenticate works similarly to TurnItin).

Another case related to both plagiarism and the quality of our journal editing: an article was submitted that had egregious spelling errors and other copy editing flaws. It was discovered that these errors were also in a nearly identical article published in another

journal.

Simmering issues include electronic delivery. Both money and digital rights management protection are issues, so if the society wants to deliver on a mobile platform, MS requested guidance on how to implement it.

The number of manuscripts submitted is increasing. The rejection rate is up to 44% and could well go up to 50%, so selectivity is also increasing. The office is currently (March) working on the August issue, so there is no shortage of material to publish. They are also OK for this year for FP articles. While they won't have one every month, they are currently on track to run out only in January or February of '14. They are looking for some ideas for future articles. The journal Impact Factor is also going up, driven by FP articles.

Open Access (OA) issues –the Journal's position has been that it's up to the authors to take care of posting articles to various archives. Some people have threatened that if AS doesn't do it, they'll publish elsewhere. OA articles would still undergo the rigorous review process. Following the ACS example, we could offer to take care of the archiving for a small fee. MB noted that it takes time to carry this out, even if the authors tell us what needs to be done. There is one employee being proposed for upgrade to a full-time position, and she could be asked to add this to her duties.

MB notes from OSA Leadership Conference – journal editors and chiefs... 150 full-time staff members including a full-time lawyer(!) to deal with OA issues. His main takeaway was some new journals proposed for the OSA family – cascade journals that would catch manuscripts that don't make the top cut journals, to ensure they would find a home within the OSA journal system. Also, the PRISM article submission system is “a thing of beauty”, especially compared to what we have with Allen Press. But OSA won't let us use PRISM... KB asks if there is a way to move forward where could get some help. MB says he asked that and was told “no” on a number of fronts.

MB suggested that we should start considering if there are alternatives to AP, given the technical and logistical problems with them. There are aspects of AP's operations that have an antiquated look to them. The journal looks great in the end but there are underlying things going on. BC notes that TPM can help bridge the interaction with AP, while acknowledging that there are glitches and there have been “some real barriers”.

K. Applied Spec Ad Updates Bill Cunningham

BC – last year's ad revenue was just under \$270K, with ~\$200 returned to SAS. There is year-to-year downward pressure on print revenues, and they are continuing to find other venues for ad sales to counteract it (for example, corporate sponsorships). These venues include e-newsletters, e-advertising, and new formats for mobile delivery. They are looking to conduct a new reader survey, if approved. The last survey was done in '07. He recommended continuing to research and identify which platforms make the most sense.

He also stated that while the first quarter numbers look a little down, that's normal for this time of year as companies still decide what they want to do. He expects revenues to increase beyond linear projections.

MB and TPM discussed aspects of mobile platform, e.g. DRM. The main point is that the ad revenues will have to offset the costs of publishing on those platforms.

TPM needs a product (whether e-journal or e-newsletter) to show potential advertisers; they can work with whatever format we decide to use. They can also address issues of DRM, i.e. pre or post firewall.

TPM is ready to put together a proposal with hard numbers on how they would incorporate advertising into these formats (would be ready mid-April) – MB is ready to look at it.

FEW notes that the mobile platform doesn't really mesh with how the actual users use journals (which is pdfs). BC notes that anything would be implemented in steps; and MB added that this isn't supposed to replace pdfs. Also, the survey will tell if this is something that the membership wants. TPM will provide the proposed survey to Bonnie and the EC.

There was a discussion about who to send the survey to. Would it be worthwhile to include nonmembers who cite *Applied Spectroscopy*? TPM thought it would be hard to identify them, and that the membership would be a representative subset. MB noted that the most likely people interested in an e-book would be members who accept it as a perk.

TPM has two commitments: a reader survey and a comprehensive proposal for e-books and other components. The Proposal will be sent to SAS by April 15th.

12:00 p.m. Working Lunch (old business/new business)

12:30 p.m. L. Website Committee Report Francis Esmonde-White
(hopped to VIII A)

MKD introduced the history of why the ad hoc committee was formed.

FEW, chair of the committee, presented the findings of the committee. Last fall at the Governing Board meeting, FEW expressed his opinion that the numbers associated with the website were large compared with projects with similar scope that he was familiar with. (He estimated \$250K over 5 years based on budget numbers.) He reviewed the timeline of the web site evolution (included in the report).

He compared the costs of website work, per member, to the cost of the office and journal staff per member – close to each other.

Web site mission is to facilitate the society's mission to promote spectroscopy.

He showed a list of 20 specific aims for the website that have been in various SAS-related sources over the years that have been talked about (though not all are being done). The list is in the report. BS, KB noted that the list presented is a guiding list that had not been maintained, and also that the current website does contain most of the items on the list.

He described aspects of BS's current development plan – including (but not limited to) automated credit card processing and transition of subscriber database to the cloud. He also listed other “nice to have” items, such as a web store, restricted access area, webinars/podcasts, tour speaker highlights, localization (translation to language based on IP of visitor), 508 compliance, and conversion of newsletter to searchable form. BS noted that her development list was not intended to be comprehensive.

FEW wanted to “improve” the development roadmap.

Specific questions FEW raised included a comparison of total money spent versus money spent on Mary Anne Ohlhoff (MAO). How was the \$70k actually spent in accordance with the \$10K budgeted?

On the topic of website bounces: 42% of visitors don't pursue the website (e.g. click further within the site), which is a higher rate than for the Coblenz Society site. There was an extended discussion of what would lead to a bounce. It was noted that not all bounces are bad, if the visitor goes to the right page to start with. FEW suggested that impatience with the slowness of web site response (5-10 second page loads) was a major factor in having people bounce away.

FEW generated a cost estimate of \$1225/mo (\$14700/ann) which is less than 20.4K in the annual budget. He did not know how much the Amazon web services cost. (BS found it was a couple of thousand.) FEW didn't think MAO's role is clear, and that there should be more clarity in how the money is going out.

He noted that it costs \$235/mo to Cactus for hosting and to manage the subcontract to Linode (for \$20/mo). The contract is \$131/hr for at least 20 hrs/mo, e.g. >\$30K/yr commitment to keep developing the website. (BS notes that we can stop with them at any time.)

FEW presented comparisons with other technical society websites. (A) Amer. Electrophor. Society. (There were questions raised of how comparable the back ends are for the two web sites.) This site had a Google pagespeed score of 73/100, costs 7K & required 3 months for development. (B) For SciX, comparable scores are 87/100, \$30K, and 3-12 months, for a site he thinks is about as complicated as ours, though with different info. There are also \$2500/yr maintenance costs. (C) For Reveal Digital (>1 million pages of searchable content), the metrics are 88/100, \$75-96K, and 7 weeks (although content had already been scanned in). (D) For Coblenz, comparable scores are

92/100, free, and 1 month (though this site is smaller and not all automated. FEW stated that these examples are comparable to what SAS would have, and the point is that they are all better performing and cheaper than what we have ended up with. Our scores are 60/100, \$250K/4 years (so far), with no payment processing.

Further problems with our website that he identified:

(a) Credit card details for >1600 member applications are stored in an online database and are at risk. BS replied that the information is behind a firewall and protected.

(b) He claimed that name and address info is publicly available. BS countered that that issue has been cleaned up. FEW claimed that it's still there if you go there directly.

(c) He said that all articles from 2010-13 were available freely through a back door in the web site that you get through a Google scholar link. It was fixed the week before the meeting. FEW explained why he didn't have the stats for how many papers had been downloaded this way.

The group emphasized that one big issue is that it would be one thing if all of our work was done on a volunteer basis by nonexperts, but instead, we have been paying professionals to do this, and despite that, all of these holes exist.

(d) FEW criticized the size of the website, which included 1.72 GB of duplicated files. PDFs and issue builds add to 2.37 GB, plus 261 MB of abstracts. He believed that the 4.5 GB should really be about 150 MB. (MB asked that since storage is cheap, is this really an issue. KB thought that a web site manager be taking care of all of this. She also asked why are we using Amazon, to which BS replied that it was on recommendation from Caktus.

(e) FEW complained that access to web site editing functions was not being granted appropriately. Implementing requires a multistep process.

(f) He noted that access to the member database is required by a number of groups. He stated that the database is “really complicated”, claiming that there is a track record of slow providing of required info.

List of tasks to be done, completed... some items were pushed back due to shifting priorities in the office. It's a complicated system for keeping track of everything.

He showed Google Analytics strings that have been completed. He described the Django interface, web page editing, Google Sites editing options that are cheap/free and easy to use. He also showed a comparable functionality (Wild Apricot) database management system that is free/cheap, including example backend pages that are a lot like what we have now. He described Ingenta Rebranding “ByDesign”, a way to host pages through another host that seem to come from our website. He showed an example of a Google-developed web site that looked professional.

His proposal was to split the web site between journal and membership (the two sections would be cross-linked), using Google Sites for the www page, Ingenta ByDesign for journal content, and WildApricot for members pages. He estimated <20K for annual cost (13K of Ingenta would come from what's being paid for by the journal already) and 4K for initial setup costs. (TPM asked, and FEW clarified, that we would have control over banners/ads.) He listed some other options for membership payments, ads, file sharing/storage, online voting, surveys, and webinars that are low cost/free. He also suggested and listed a number of possible additional domain names.

His proposed path forward, as listed in report:

- Discontinue current website development
- Charge web site committee to develop detailed proposal, with cost restrictions
- Correct site access privileges
- Fix membership categories
- Charge SAS office with providing membership database, require that once migration begins, the offline database not be used until the migration is complete
- Audit previous development efforts

KB thanked FEW and his team for their work, and stated that the EC will need time to digest the content and **get back (within 10 days) with the first steps**. KB acknowledged that we have already started to close some of the back doors, and may require input from the committee to implement some more of those actions.

PG suggested that the circumstances involved with the changes to web site 4 years ago led to a member being treated unfairly; KB will reach out to that member and try to make amends for that time. KB notes we will incorporate both FEW's and BS's reports to develop our clear path forward. JW notes that it's hard for the EC to understand the complexities of web development enough to be able to push the contractors to do what needs to be done, or evaluate what they do. BS notes that we need to be cognizant of our needs that are specialized versus what you get from a general software solution. MB also noted that Ron Williams wasn't given appropriate access to do his web editing, but BS disagreed with that statement.

PB notes that all of this highlights how we have to acknowledge the efforts and dedication of everyone involved, whether volunteer or paid.

FEW also noted that there would be savings by paring down the number of membership categories.

1:30 p.m. VIII. New Business

A. Corporate Sponsor Distributions Bonnie Saylor
(before L)

BS – Money to various sections is proportional to membership levels, but (35% of) corporate sponsorship money is distributed evenly. BS proposes to stop distribution of the corporate money to the sections. Also, corporate sponsors don't get any say in where the money is going. PG says a problem is that it's the bigger sections that are active and

what are the smaller sections going to do with the money anyway? He suggested that the money could be distributed with the same weights as the membership money. DH notes that these are some winners and losers (smaller but still active local sections in the latter category).

The EC discussed the possibility of sections applying for the money with some sort of specific proposals on what they'd do with it. We noted it would be more work for the office to administer, but would reward the active sections and maybe motivate less active sections to do something. BS notes that each section has annual reports which could be used to determine where this money would go. \$9K is the total value of membership fees disturbed to technical and regional sections. The exact amount that could be described as corporate sponsorship was not available.

The EC decided to keep the distribution the way it is for now (no vote).

KB asked for a description of the benefits of the new Diamond level of sponsorship. (TPM requested clarification if he should be selling this, or if that would be done solely by the Office. BS noted that the Office has opportunistically sold 4 corporate sponsorships since SciX this way.) TPM asked to table establishment of this level, because it would dovetail with their proposal for ebooks, which they are developing. IL asked if TPM thought it needed those products to sell a Diamond level, noting that it would take time to develop the products and that they might well not be ready until late in the year. TPM said that they would be the clincher, but in general the benefits promised for that level need to be especially dynamic and different. They will pursue the interest level amongst potential sponsors. PB recalled that it'd been decided that there would be distinctly one Diamond-level sponsor. Discussions to date with potential sponsors suggest that what we have right now isn't enough to attract the \$10K sponsorship. JW recalled previous minutes where for Platinum sponsorship, it was decided that there'd be only one for the first year, to create competition. IL noted that if TPM can sell a Diamond-level without our full plans intact, it would promote future selling (at a higher level too). There could be other perks (recognition, pictures in newsletter, etc.) that could be added.

B. Financial Review/ Paul Bourassa
Budget Cut Proposals Bonnie Saylor

PB congratulated BS for a job well done with overall budget organization. Specifically, comparing the Projection column (made last October) to the Jan-Dec 12 column actuals, BS was essentially 'right on the money' in most categories.

He stated that the tax credit for journal ad dollars has been exhausted, and from now on we will see additional expenditures from that regard.

He noted that expenses continue to rise for what we do as an EC, and we would be well advised to review how we spend money on these meetings.

KB observed that one of our events was over budget by 10K (annual reception, 6608) and that would be a prime target for attention. BS noted that the budgeted number is based on recent experiences, and IL added that from his experience it tends to be very venue-dependent. RL asked if there are indicators that could be used to scale estimates, such as past experience in venues, or indexes like government per diem; IL noted the “cost of a gallon of coffee” index. PB stated that the amount of advertising also plays a role.

MB observed that overall journal income is starting to decrease, and as it is a line item, that decrease has to be noted in the overall accounting.

With respect to next year’s budget, we discussed making the decisions about whether we will accept a deficit, or really go for breaking even or ahead. IL stated that we need to get a start on this by the end of next quarter, to have time to deal with it by SciX. PB suggested how we might discuss this “in the cloud”.

MKD asked BS about discussions with the auditing company to move the date of the audit. BS noted that the company was still working on ’11. PB noted that some of that delay was due to their wanting to look at that year and the year proceeding, and that it’s their first year to audit SAS. PB and BS noted that they are good and thorough and PB has gotten direct correspondence from the auditors, so they are doing acceptably. BS suggested they could get started in June, which seemed ok with KB, MKD.

(Note the 2013 projected budget was discussed at last fall’s GB meeting)

IL asked about the difference between the FACSS auditor and the SAS auditor. For FACSS, the 990 tax filing form has to be reviewed by each Governing Board (GB) member, but for SAS it is reviewed by the Treasurer and not the whole EC or the whole GB. MKD asked if PB could check with the new auditors to see if a 990 reviewed by the EC would be desired. IL suggested that the entire SAS GB could be asked to review it (similar to FACSS) because they are named and listed on the 990.

PB and BS noted that there is a plan for getting the reports out quarterly, and discussed some specific dates with IL. Dates were originally floated to the EC prior to Pittcon in an email.

C. Voting on Awards All

IL moved to accept David Hercules for Emeritus Award, KB seconded, passed 5-0
KB moved to accept Bruce Chase for Distinguished Service Award, PB seconded, passed 5-0

IL moved to accept Isao Noda as a recipient of an Honorary Award, KB seconded, passed 5-0

IL moved to accept Richard van Duyne as a recipient of an Honorary Award, MKD seconded, passed 5-0

RL needs to communicate to BS updated nomination language (specifically that van

Duynes was not really the “discoverer” of SERS, as pointed out by PG)

IL moved to vote on Fellow nominations in a block, MKD seconded.... the Fellow Nominations were accepted 4-0 (PB abstained).

D. Voting on Officer Nominations All

IL moved to accept in a block the slate of candidates for president-elect, secretary, and treasurer. KB seconded. The motion passed 4-0 (RL abstained).

E. Membership and Subscription Fees Bonnie Saylor

BS asked if we will raise membership and subscription rates. She recommended not raising membership rates, as they raised last year, and deferred to MB about subscription rates. MB invited PG to also discuss. MB noted that costs have gone up a little bit, but thinks a ~5-6% raise wouldn't be noticed by institutional subscribers, as it is in line with what's expected industry-wise. There was a general discussion of staying in step with OSA increases. DH asked about inflation rate, but PG said that some increases had less to do with inflation and more to do with relocation. IL asked if we would be required to match an OSA increase if it exceeded what we wanted. MB replied that we could stipulate that our increase should not exceed a given amount. IL moved for an increase for institutional journal subscription costs, not to exceed 10%, in line with the rate increase by OSA, with the exact amount at the discretion of the Journal Editor-in-Chief. PB seconded. Passed 5-0.

F. International Year of Light Michael Blades

MB gave background per his report (the IYL is promoted by UNESCO, and is endorsed by 26-27 countries including the USA). He suggested the Society could do something special to honor it, perhaps making a special journal issue. He felt the Society should commemorate it in some way. BS suggests that Membership and Publicity Committees could do something (KM agreed), at least draft a letter to UNESCO. It was decided to set aside some time at SciX to discuss this further.

4:00 p.m. Adjourn

KB moved to adjourn, PB seconded. Passed 5-0.

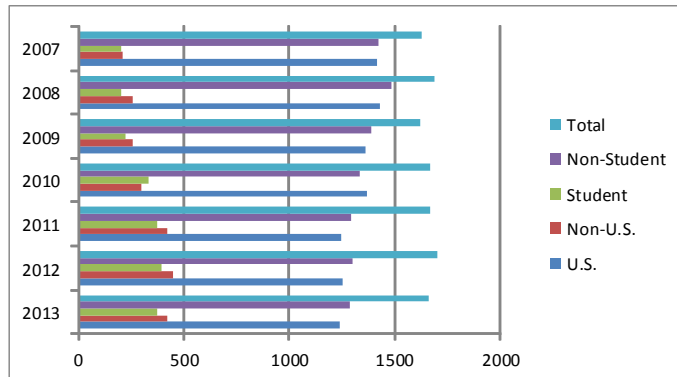
*** NOTE: These minutes were amended on 9/26/13 to reflect changes discussed and approved during a teleconference of the Executive Council held on September 10, 2013.
– RL ***

| <i>SAS 2013 Budget - v1</i> | 2013 Final | 2013 | 2013 | 2014 Proposed | Comments |
|----------------------------------|------------|-----------------|-------------|---------------|--|
| | Budget | as of June 2013 | Projections | Budget | |
| Ordinary Income/Expense | | | | | |
| Income | | | | | |
| 4300 • Member Dues | 95,000.00 | 95,530.72 | 100,530.00 | 100,000.00 | We have worked hard to retain and recruit members and corporate sponsors |
| 4400-Web Revenue | 0.00 | 9,202.00 | 13,000.00 | 15,000.00 | This is banner ad revenue |
| 4500 • Journal Income | | | | | |
| 4505 • Subscriptions | 510,000.00 | 437,490.86 | 442,490.86 | 440,000.00 | Both SAS and OSA saw decreases in subscriber numbers translating into a loss of income |
| 4625 • Advertising | 250,000.00 | 114,044.71 | 250,000.00 | 250,000.00 | Includes gross revenue to be consistent with financial statements. Commissions now also appear in expenses. |
| 4630 • Reprints | 5,000.00 | 862.00 | 1,862.00 | 3,000.00 | |
| 4635 • Royalties | 20,000.00 | 3,229.06 | 17,000.00 | 17,000.00 | |
| 4650 • Other Jrnl Inc | 1,500.00 | 783.00 | 1,500.00 | 1,500.00 | Includes Color Figure Charges. |
| Total 4500 • Journal Income | 786,500.00 | 556,409.63 | 712,852.86 | 711,500.00 | |
| 4800 • Chapter Income | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4830 • General Contributions | 6,000.00 | 5,388.00 | 6,000.00 | 6,000.00 | |
| 4850 • Investment Revenue | 700.00 | 15.90 | 50.00 | 50.00 | |
| 4900 • Misc. Income | 500.00 | 138.30 | 200.00 | 500.00 | |
| Total Income | 888,700.00 | 666,684.55 | 832,632.86 | 833,050.00 | |
| Expense | | | | | |
| 6000 • Salaries | 210,000.00 | 95,757.76 | 195,000.00 | 195,000.00 | No staff salary increase is being proposed. There was no increase last year either |
| 6040 • Payroll Taxes | 18,000.00 | 7,316.97 | 14,634.00 | 15,000.00 | |
| 6060 • Personnel Benefits | 9,000.00 | 10,944.48 | 15,000.00 | 15,000.00 | |
| 6100 • Executive Comm | 30,000.00 | 15,953.52 | 30,000.00 | 30,000.00 | |
| 6150 • Governing Board | 1,200.00 | 0.00 | 1,200.00 | 1,200.00 | |
| 6170 • Membership Comm | 1,000.00 | 1,034.13 | 2,000.00 | 2,000.00 | |
| 6190 • Other Committees | 1,500.00 | 866.63 | 1,500.00 | 1,500.00 | |
| 6200 • Journal | | | | | |
| 6205 • Advertising | 120,000.00 | 51,281.15 | 105,000.00 | 105,000.00 | As noted above in ad income, we now have to book this line item differently and include commissions here as well as production costs |
| 6210 • Publication | 135,000.00 | 80,196.60 | 160,000.00 | 160,000.00 | |
| 6220 • Operating | 160,000.00 | 65,336.04 | 135,000.00 | 140,000.00 | This line now includes salaries and Allen Press Copy Editing Services |
| 6240 • Postage/Shipping | 300.00 | 0.00 | 50.00 | 50.00 | |
| 6245 • Honorariums | 25,000.00 | 10,924.98 | 25,000.00 | 25,000.00 | |
| 6250 • Promotion | 300.00 | 0.00 | 0.00 | 300.00 | |
| 6265 • Travel | 5,000.00 | 1,596.57 | 4,500.00 | 5,000.00 | |
| 6275 • Online | 14,000.00 | 13,406.17 | 13,500.00 | 14,000.00 | |
| 6280 • Small Furniture/Equip | 500.00 | 0.00 | 100.00 | 500.00 | |
| 6285 • Back Issues | 7,000.00 | 2,552.52 | 4,000.00 | 4,000.00 | |
| 6288 • Media Liability Insurance | 2,400.00 | 2,308.00 | 2,308.00 | 2,500.00 | |
| 6290 • Editorial Board | 1,000.00 | 1,608.91 | 2,700.00 | 1,500.00 | The Editorial Board usually only meets once a year, but in 2013 they met twice. |
| 6295 • Miscellaneous | 200.00 | 34.95 | 100.00 | 100.00 | |
| Total 6200 • Journal | 470,700.00 | 229,245.89 | 452,258.00 | 457,950.00 | |

| | | | | | |
|--|------------|------------|------------|------------|---|
| 6300 - Newsletter | 1,000.00 | 500.00 | 1,000.00 | 1,000.00 | |
| 6330 - Internet Services/Data Management System | 64,000.00 | 25,656.12 | 42,000.00 | 25,500.00 | Projections for 2013 do not include any transition costs to a new system of some kind since at the time of this prep we did not know the costs. 2014 Budget assumes a new system. |
| 6400 - Member Services | 17,000.00 | 3,801.78 | 15,000.00 | 15,000.00 | |
| 6600 - Awards | 15,000.00 | 0.00 | 15,000.00 | 15,000.00 | |
| 6650-Sections | 13,000.00 | 737.23 | 13,000.00 | 13,000.00 | |
| 6700 - Conferences | 8,000.00 | 4,238.75 | 8,000.00 | 8,000.00 | |
| 6730 - Member Acquisition and Retention | 0.00 | 484.86 | 800.00 | 800.00 | |
| 6800 - Society Office | | | | | |
| 6810 - Facilities | 32,000.00 | 15,596.13 | 32,000.00 | 34,000.00 | |
| 6825 - Insurance | 6,700.00 | 5,489.58 | 5,500.00 | 6,000.00 | |
| 6830 - Postage / Shipping | 2,000.00 | 394.21 | 700.00 | 700.00 | |
| 6835 - Telephone | 3,000.00 | 1,776.88 | 3,000.00 | 3,000.00 | |
| 6840 - Printing, Dsgn, MI Prep | 250.00 | 620.01 | 700.00 | 500.00 | |
| 6845 - Dues & Subscriptions | 2,500.00 | 1,492.50 | 1,500.00 | 1,500.00 | |
| 6850 - Travel | 11,000.00 | 7,259.39 | 11,000.00 | 11,000.00 | |
| 6865 - Supplies | 3,000.00 | 864.58 | 1,600.00 | 1,600.00 | |
| 6870 - Equip / Furniture / Sftwr | 7,500.00 | 3,068.94 | 4,000.00 | 4,000.00 | monthly fee for copier and mail machine lease is in here |
| 6875 - Legal Fees | 0.00 | 0.00 | 500.00 | 500.00 | |
| 6880 - Auditors | 10,000.00 | 0.00 | 10,000.00 | 10,000.00 | |
| 6885 - Bookkeeper / Pyrl Srvc | 11,000.00 | 4,418.70 | 10,000.00 | 12,000.00 | Mary Anne is raising her rates which she has not done in years. |
| 6890 - Employee Training | 300.00 | 0.00 | 0.00 | 300.00 | |
| 6899 - Miscellaneous | 800.00 | 417.42 | 800.00 | 800.00 | |
| Total 6800 - Society Office | 90,050.00 | 41,398.34 | 81,300.00 | 85,900.00 | |
| | | | | | |
| 7000 - Financing Expenses | 6,000.00 | 2,144.28 | 4,200.00 | 4,500.00 | bank fees and credit card processing fees |
| 7200 - Depreciation | 2,500.00 | 1,256.00 | 2,500.00 | 2,500.00 | |
| 8200-Income Taxes | 0.00 | 5,511.50 | 5,600.00 | 5,600.00 | We now must pay taxes on UBIT |
| Total Expense | 957,950.00 | 446,848.24 | 893,592.00 | 888,050.00 | |
| Net Ordinary Income | -69,250.00 | 219,836.31 | -60,959.14 | -55,000.00 | |

Executive Director's Report Fall 2013

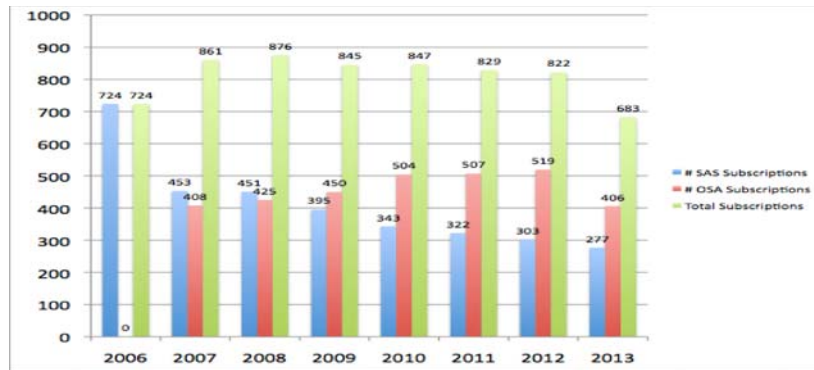
Membership at a Glance



Note that numbers will vary based on date reports are run. These numbers are for a point in time in the Fall of each year and thus do not take into account those members who were active during the year prior to the 90 day cut-off set for the report run. A new set of renewal notices have just been sent out for 2013.

| Category | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 |
|-------------|------|------|------|------|------|------|------|
| U.S. | 1239 | 1250 | 1243 | 1370 | 1364 | 1429 | 1413 |
| Non-U.S. | 423 | 449 | 425 | 300 | 255 | 260 | 211 |
| Student | 372 | 397 | 373 | 334 | 227 | 206 | 203 |
| Non-Student | 1290 | 1302 | 1295 | 1336 | 1392 | 1483 | 1421 |
| Total | 1662 | 1699 | 1668 | 1670 | 1619 | 1689 | 1624 |

Subscriptions *(Graph taken from Mike Blades' Fall 2013 Journal Editor Report)*



Members and Subscribers

Membership is down slightly this year, but not by much. Currently overall 2013 membership is only down slightly from 2012 but our most recent batch of renewals just went out so we expect these numbers to change.

Subscribers are another story altogether. 2013 numbers are down significantly with the steepest drop coming from from OSA subscriptions. This is trend in the industry and one that is going to be tough to combat. Serious discussion needs to take place on what our alternatives are and how best to maximize our income in this area.

Web Site

We continue to cooperate with the Ad Hoc Web Committee in their review and research on the site. In order to provide the Executive Committee with additional options, the office performed some research into alternatives to the suggestion by the Ad Hoc Web Committee that included staying with our current system and doing a hybrid with a new membership management system.

Finances

The budget has been prepared and will be presented by Paul Bourassa. Budget cuts are being proposed in order to make up for the loss of journal subscription income. The 2011 audit is finally complete. 2012 fieldwork began at the end of August, but will not be complete until October because of other client commitments by our auditors in the month of September.

Corporate Sponsors

We currently have 21 corporate sponsors 12 of whom are Platinum sponsors. Since Pittcon we secured one new Platinum sponsor - BaySpec. We have not yet implemented the Diamond Level Sponsorship because our ad team is waiting on a new e-newsletter format to be able to offer some ad benefits to the sponsors.

Office

The office continues to move forward in its efforts to retain and recruit members and subscribers. Additionally, we have been gradually transferring some of Stephanie's duties to Victor to free up some of her time for further marketing efforts. The office took over most of the responsibility for the web site from Mary Anne upon her resignation May 1. The journal office, however, has taken over their portion of the site. This has increased the work load for everyone in the office.

Member Event at SciX

We are all set for our event at the Best Place Brewery in Milwaukee. The member event has proven to be a success over the years. Here is a summary of the events and attendance over the years:

| Year | Event | Attendance |
|-------------|--------------------------|--------------------------|
| 2009 | Churchill Downs | 110 |
| 2010 | Rush Hour Go Karting | 63 |
| 2011 | Lake Tahoe Cruise | 108 |
| 2012 | Mystery Train Theater | 64 |
| 2013 | Best Place Pabst Brewery | 85 (Current registrants) |

Other

Additional data for subscribers and members follows.

SAS Subscriptions by Agent

| Agent | Total |
|---------------------------------|--------|
| ABE Marketing | 1 |
| BASCH SCUBSCRIPTIONS INC | 1 |
| CANKARJEVA ZALOZBA | 1 |
| DS INFORMATION SERVICES | 1 |
| EBSCO | 163 |
| Ex Libris | 1 |
| Goethe Buchhandling Teubig GmbH | 1 |
| LEHMANNS FACHBUCHHANDLUNG | 2 |
| LICOSA | 2 |
| LILY JOURNAL & BOOK CO LTD | 2 |
| LM INFORMATION DELIVERY | 2 |
| MARUZEN CO LTD | 11 |
| OVISS INCORPORATED | 1 |
| SCHENKERS HIGGINBOTHAMS | 1 |
| Suweco CZ | 1 |
| SWETS INFORMATION SERVICES | 2 |
| TELDAN INFORMATION SYSTEM | 3 |
| Todalaprensa, S.A. de C.V. | 1 |
| VUB Printmedia GmbH | 1 |
| | 198 |
| | out of |
| | 277 |

OSA Subscriptions by Agent

| Agent | Total |
|--|--------|
| Basch Subscriptions Inc | 7 |
| Beijing Book Co Inc | 8 |
| Beijing Zhongke I/E Company | 1 |
| Book Promotion and Services Ltd | 1 |
| China Book Import Center | 1 |
| China Educational Publications Import and Export Corporation | 4 |
| EBSCO Information Services | 61 |
| Globe Publication Pvt Ltd | 8 |
| iGroup (Asia Pacific) Ltd | 24 |
| Kinokuniya Co Ltd | 47 |
| LM Information Delivery | 3 |
| Otto Harrassowitz KG Booksellers and Subscription Agent | 9 |
| Publiciencia LTD | 1 |
| Shinwon Datanet Inc | 34 |
| Stern-Verlag Janssen & Co | 1 |
| Swets Information Services | 95 |
| W.T. Cox Subscriptions | 6 |
| Wolper Subscription Services Inc | 1 |
| | 312 |
| | out of |
| | 412 |

2012 Subscription Count by Country

| | OSA | USA |
|----------------------|-----|-----|
| AUSTRALIA | 3 | 7 |
| AUSTRIA | 2 | 2 |
| BELGIUM | 1 | 0 |
| BRAZIL | 1 | 3 |
| CANADA | 12 | 20 |
| CHILE | 1 | 0 |
| CHINA | 63 | 0 |
| CROATIA | 0 | 1 |
| CYPRUS | 1 | 0 |
| CZECH REPUBLIC | 1 | 0 |
| DENMARK | 5 | 0 |
| ESTONIA | 1 | 0 |
| FINLAND | 2 | 2 |
| FRANCE | 7 | 7 |
| GERMANY | 10 | 11 |
| HONG KONG | 15 | 0 |
| HUNGARY | 0 | 1 |
| INDIA | 10 | 2 |
| IRELAND | 1 | 0 |
| ISRAEL | 2 | 2 |
| ITALY | 2 | 3 |
| JAPAN | 34 | 9 |
| MALAYSIA | 1 | 0 |
| MEXICO | 2 | 1 |
| NETHERLANDS | 9 | 2 |
| NEW ZEALAND | 1 | 2 |
| NORWAY | 5 | 1 |
| PAKISTAN | 1 | 0 |
| RUSSIA | 1 | 3 |
| SAUDI ARABIA | 1 | 3 |
| SINGAPORE | 3 | 0 |
| SLOVAK REPUBLIC | 0 | 1 |
| SLOVENIA | 0 | 1 |
| SOUTH KOREA | 32 | 4 |
| SPAIN | 9 | 0 |
| SWEDEN | 2 | 2 |
| SWITZERLAND | 2 | 3 |
| TAIWAN | 27 | 0 |
| THAILAND | 1 | 0 |
| TURKEY | 2 | 2 |
| UNITED ARAB EMIRATES | 1 | 0 |
| UNITED KINGDOM | 15 | 5 |
| UNITED STATES | 230 | 203 |
| | 519 | 303 |

2013 Subscription Count by Country

| | OSA | SAS |
|----------------------|-----|-----|
| AUSTRALIA | 6 | 6 |
| AUSTRIA | 1 | 2 |
| BELGIUM | 1 | 0 |
| BRAZIL | 1 | 2 |
| CANADA | 12 | 17 |
| CHILE | 1 | 0 |
| CHINA | 25 | 0 |
| COLOMBIA | 1 | 0 |
| CYPRUS | 1 | 0 |
| CZECH REPUBLIC | 1 | 0 |
| DENMARK | 5 | 0 |
| ESTONIA | 1 | 0 |
| FINLAND | 3 | 1 |
| FRANCE | 5 | 4 |
| GERMANY | 14 | 10 |
| GREECE | 2 | 0 |
| HUNGARY | 0 | 1 |
| HONG KONG | 5 | 0 |
| INDIA | 8 | 1 |
| IRELAND | 1 | 0 |
| ISRAEL | 2 | 1 |
| ITALY | 2 | 2 |
| JAPAN | 47 | 7 |
| MALAYSIA | 1 | 1 |
| MEXICO | 3 | 0 |
| NETHERLANDS | 5 | 3 |
| NEW ZEALAND | 2 | 1 |
| NORWAY | 4 | 2 |
| POLAND | 1 | 0 |
| RUSSIA | 1 | 3 |
| SAUDI ARABIA | 2 | 1 |
| SCOTLAND | 0 | 1 |
| SLOVAK REPUBLIC | 0 | 1 |
| SINGAPORE | 5 | 0 |
| SOUTH AFRICA | 2 | 0 |
| SOUTH KOREA | 35 | 5 |
| SPAIN | 5 | 0 |
| SWEDEN | 4 | 2 |
| SWITZERLAND | 3 | 8 |
| TAIWAN | 5 | 0 |
| THAILAND | 1 | 0 |
| TURKEY | 5 | 2 |
| UNITED ARAB EMIRATES | 1 | 0 |
| UNITED KINGDOM | 21 | 4 |
| UNITED STATES | 161 | 189 |
| | 412 | 277 |

Sections With Tour Speakers By Year

2013

**New England
Chicago
Cleveland
Detroit
Snake River
Ohio Valley
New York
Baltimore-Washington
Minnesota
St. Louis
University of Wisconsin - Milwaukee Student Chapter
Truman State University Student Chapter
Indiana
Delaware Valley**

Total: 14

2012

**New England
Chicago
Cleveland
Detroit
Intermountain
Ohio Valley
New York
Baltimore-Washington
Minnesota
St. Louis
University of Wisconsin - Milwaukee Student Chapter
Truman State University Student Chapter**

Total: 12

2011

**New England
Chicago
Cleveland
Detroit
Snake River
Ohio Valley
New York
Niagara Frontier
Piedmont
St. Louis
BYU Student Chapter
Milwaukee Student Section**

Total: 12

2010

**Baltimore-Washington
Chicago
Cleveland
Detroit
Snake River
New England
New York
Intermountain
Piedmont
St. Louis
Northern California
Arizona State University Student Section**

Total: 12

2009

**Baltimore-Washington
Chicago
Cleveland
Detroit
Minnesota
New England
New York
Niagara Frontier
Piedmont
St. Louis**

Total: 10

| | |
|---|-------|
| | |
| Total 2013 Members | 1662 |
| Regular Members | 1,023 |
| Student Members | 372 |
| Interim Members | 6 |
| Retired | 99 |
| Honorary Members | 23 |
| Distinguished Service | 28 |
| Emeritus | 22 |
| Unemployed Comp | 9 |
| Fellow* | 55 |
| Journal Color Pages | 18 |
| Corporate Sponsors | 18 |
| Comp Other | 54 |
| *Fellows are included in other member types as they must maintain membership to remain a Fellow so don't add this into the total. | |
| | |
| Print or Online | |
| | |
| Print | 823 |
| | |
| Online | 839 |

**Members by
Country**

| | |
|---------------------------|----|
| Argentina | 2 |
| Armenia | 1 |
| Australia | 10 |
| Austria | 11 |
| Belarus | 1 |
| Belgium | 6 |
| Brazil | 11 |
| Canada | 48 |
| China | 16 |
| Colombia | 2 |
| Croatia | 2 |
| Czech Republic | 4 |
| Denmark | 8 |
| Egypt | 1 |
| Finland | 2 |
| France | 9 |
| Germany | 42 |
| Ghana | 1 |
| Greece | 1 |
| Hong Kong | 2 |
| Hungary | 2 |
| India | 10 |
| Indonesia | 2 |
| Iran | 1 |
| Iraq | 1 |
| Ireland | 1 |
| Israel | 3 |
| Italy | 11 |
| Japan | 41 |
| Korea | 9 |
| Libyan Arab Jamahiriya | 1 |
| Malaysia | 1 |
| Mexico | 2 |
| Netherlands | 12 |
| New Zealand | 2 |
| Norway | 1 |
| Peru | 1 |
| Poland | 8 |
| Portugal | 1 |
| Russian Federation | 9 |
| Saudi Arabia | 1 |
| Serbia | 2 |
| Singapore | 2 |

| | |
|----------------|------|
| South Africa | 2 |
| Spain | 5 |
| Sweden | 13 |
| Switzerland | 10 |
| Taiwan | 2 |
| Thailand | 2 |
| Turkey | 3 |
| Ukraine | 2 |
| United Kingdom | 77 |
| United States | 1242 |

1662

| Members by Section | Number | Active |
|---------------------------|---------------|---------------|
| Baltimore-Washington | 53 | Yes |
| Chicago | 54 | Yes |
| Cleveland | 17 | Yes |
| Cincinnati | 20 | Trying |
| Detroit | 12 | Yes |
| Delaware Valley | 28 | Yes |
| Houston | 14 | No |
| Intermountain | 10 | Sort Of |
| Indiana | 23 | Yes |
| Mid-Michigan | 15 | No |
| Minnesota | 26 | Yes |
| Northern California | 34 | Sort Of |
| New England | 59 | Yes |
| Niagara Frontier | 4 | No |
| New York | 61 | Yes |
| Ohio Valley | 17 | Yes |
| Piedmont | 22 | Yes |
| Pacific Northwest | 13 | No |
| Pittsburgh | 25 | Yes |
| Penn York | 7 | No |
| Rio Grande | 9 | No |
| Rocky Mountain | 19 | No |
| St. Louis | 31 | Yes |
| Snake River | 6 | Sort Of |
| United Kingdom | 46 | Yes |
| Arizona State U. | 6 | No |
| BYU | 6 | Yes |
| Iowa State U. | 3 | Yes |
| Truman State U. | 3 | Yes |
| U of Delaware | 3 | No |
| U of Idaho | 1 | No |
| U of Utah | 0 | No |
| U of Wisconsin | 8 | Yes |
| Atomic | 170 | Sort Of |
| BioTechnology | 45 | No |
| Chemometrics | 103 | No |
| Chirality | 8 | No |
| Fluorescence | 69 | No |
| Forensics | 43 | No |
| Imaging | 91 | No |
| Laser Sampling | 19 | No |
| CNIRS | 79 | Yes |
| NMR | 12 | No |
| Polymer Char. | 56 | No |
| Process | 30 | Yes |
| Coblentz | 371 | Yes |

Journal Report to the SAS Executive Committee

Prepared September 10, 2013

Michael Blades, Peter Griffiths, and Kristin MacDonald

June 30, 2013 marked the completion of the first year with Blades as EIC and Griffiths as the Editor. There were many changes during the past 12 months. Rebecca Airmet resigned as Managing Editor in September 2012 and was replaced by Kristin MacDonald who was the Editorial Assistant for June, July, and August. Joanne Jablkowski joined the team as the Editorial Assistant in October 2013.

The EIC would like to thank both Joanne and Kristin for the outstanding work they have been doing for the journal. In addition we would like to thank LeNelle McInturff for filling in as Editorial Assistant during September and October of 2012 when we were scrambling to maintain services in the wake of Rebecca's resignation. Finally, the EIC thanks the Associate Editors for their devotion to the task of orchestrating peer review for manuscripts that have been assigned to them. I have increased the workload for all of the Associate Editors in 2012/3 and I very much appreciate their dedication to, and support of, the journal.

The Editorial Office

The Editorial Assistant position was expanded to full time (from 80%) effective May 15, 2013. Joanne has used the additional hours to improve the processing time for initial submissions, respond to questions from authors and reviewers on a more timely basis, and to shepherd manuscripts through the submission, review, and decision stages with greater promptness than previously. As a result of the website maintenance changes recommended at the March EC meeting, Joanne is also now responsible for updating the content of the journal web page.

Transitioning Joanne to full-time status has been a tremendous asset to the journal. Her experience and abilities have allowed the journal team to take needed vacation time, and take on new challenges and tasks. Kristin took a full two weeks off in March, and a week off in July. Kristin checked in via iPad each day to follow-up on questions and production. While Kristin was on holiday, Joanne took on the Managing Editor's workload in addition to her own Editorial Assistant tasks for two weeks to keeping the editorial process on track for the April and May issues. Joanne worked 10-hour days to cover some of Kristin's urgent tasks and her own. In the same vein, Kristin has worked overtime during Joanne's one-week vacation in August to prevent a backlog of submissions from building up.

Journal Web page

In April, the Editorial Office (Joanne) took over responsibility for uploading electronic issues of the journal to the SAS website monthly and for editing and adding new content to the Journal Webpage. We sincerely thank Mary Anne Ohlhoff for her tutorials and for helping guide us through the transition.

One of the benefits of this change is that it has allowed electronic issue is made available online within a day or two of the content being uploaded to Ingenta (usually one to two weeks before the hard copy of the issue is mailed out).

We are also uploading abstracts from upcoming articles to the journal site in the *Upcoming Issues* section and pre-edited PDFs of the articles to Ingenta using the FastTrack feature for subscribers. Bonnie Saylor is working with Cactus to identify how we can add content protection to the early-view papers in order to be able to upload protected PDFs directly to the SAS website (August 13, 2013).

We've added a Manuscript Submission FAQ page to the journal website to address some of the common concerns authors have when submitting a manuscript. We will update this page with new content as author questions arise and we welcome suggestions for content.

We have added Ethical Guidelines to the Website as a guide (warning) for prospective authors.

New Initiatives

This summer we started reviewing some submitted papers for plagiarized content using *iThenticate*, prior to them being sent out for review. In July alone we had two manuscripts that were questionable because of reproduced sections of the papers. The entire archive of *Applied Spectroscopy* articles is in the final stages of being indexed by CrossRef—the last step required to complete set up of this service.

The editorial office is establishing a process to start uploading manuscripts to an open digital archive, such as PubMed Central, to meet the mandated submission requirements of authors funded through NIH (USA) and CIHR (Canada). Currently, there will be no charge to authors for this service.

Joanne is working on the implementation of a more comprehensive database (FileMaker Pro, OpenOffice Base) system to track all aspects of the peer review and production. This type of centralized database will help journal staff keep track of all phases of production and enable the Editorial team to share manuscript status information more easily.

We have begun working on an approach for contacting non-subscribing institutions and authors in order to generate new institutional subscriptions for the journal.

We have investigated switching from Allen Press “Allen Track” to “Peer Track” for manuscript submission-peer review- tracking. The advantages of Peer Track over the existing system are:

- Peer Track is powered by *Editorial Manager* (Aries). More than 5,000 publications from 200 scholarly societies, university presses and commercial publishers use workflow solutions from Aries Systems Corporation. This means that upgrades, enhancements and additions are provided whereas Allen Track is static. Peer Track is highly configurable for the user.
- The user interface is more user friendly for all parties – authors, editors, reviewers, and editorial staff.
- Has superior report generation capability
- E-commerce is much more advanced. There is built in capability for direct billing for colour figures, etc.
- There is superior control over file formats.
- Interfaces seamlessly with “Article Track” which provides interactive access to an article through the publication steps.

The cost to the society is an extra \$20/ year plus a one-time startup fee of \$3500 (reduced from \$5000 by Allen Press as a result of our long-standing business relationship). We recommend that the journal move to Peer Track effective January 1, 2014.

Newsletter and Calendar features

As requested by a number of Society members, Mary Carrabba has expanded the Calendar feature to include events such as Pittcon and SciX as far in advance as 2017 (as space allows). The time-sensitive nature of the Newsletter and Calendar are perfectly suited to the medium of the web. We feature the newsletter online, however it would be worthwhile to consider featuring the Calendar online as well. Further consideration should include the posting of the Newsletter and Calendar as active, frequently updated web pages rather than as embedded PDFs.

Social Media

The journal has had its own Twitter and Facebook presence since March of this year. We should be leveraging what are essentially two free marketing tools to our advantage (e.g., Spectroscopy, FACSS, Pittcon). We need to develop a more formal social media strategy in place of the ad hoc one that has evolved over the last few months. Joanne has been doing a great job posting new issue news and specific Focal Point details. We have experimented with a few reciprocal tweets and posts from FACSS, yet we could be leveraging social media to convey important research to generate more interest in Society membership (and our partners and affiliates) and activities.

Advertising

With Ed Macmillan's departure from Allen Press last November, the decision was made to outsource journal advertising to Technology Partners Marketing (TPM) from the press. Allen Press communicates directly with the Managing Editor only, and this has put the journal office in the uncomfortable position of being the "middle-man." There are frequent communication and layout issues resulting in approximately 6-8 extra hours of labour per issue. As the journal office has no direct contact with our sponsors and advertisers, it has requested more specific details from TPM to help alleviate any second-guessing on the part of the press or the Managing Editor. Additional tools for managing this process include a PDF mock-up of all A pages, a list of advertisers, and a spreadsheet detailing all pages and relevant file names.

Production:

The August issue of the journal featured 19 papers. While running such a large number of papers in one issue helped to clear any lingering backlog, it was simply too much for staff. Quality suffered as a result, and the extra cost doesn't warrant this many papers per issue in future.

We have filled all issues up to and including January 2014.

For 2014, the plan is to incrementally ratchet back the production schedule to allow for an earlier mail out of the hard copies of the journal each month.

What follows is a basic tally of the cost per issue from Allen Press since last October. Note: we are not privy to advertising costs/revenues.

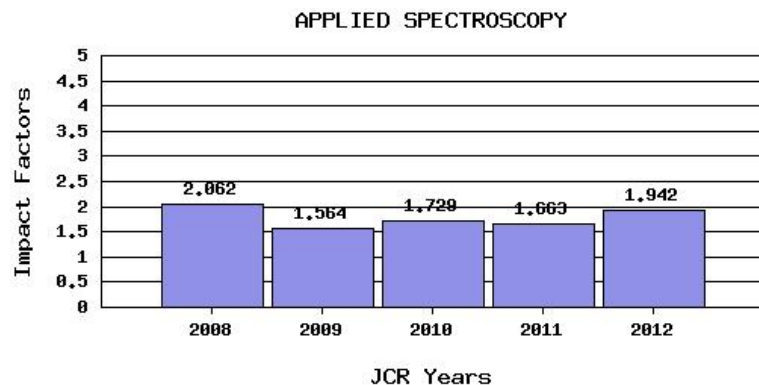
| Issue | Cost |
|-----------------|------------------|
| 66[10] | \$16,994.28 |
| 66[11] | \$13,068.97 |
| 66[12] | \$17,378.60 |
| 67[01] | \$15,654.48 |
| 67[02] | \$14,665.37 |
| 67[03] | \$17,914.41 |
| 67[04] | \$16,220.08 |
| 67[05] | \$14,168.28 |
| 67[06] | \$15,844.49 |
| 67[07] | \$15,264.89 |
| 67[08] | \$21,094.31 |
| 67[09] | \$16,350.07 |
| 67[10] | TBD |
| 67[11] | TBD |
| Total | \$194,618.23 |
| Avg. cost/issue | \$16,218.19 |

Open Access:

We are proposing that Applied Spectroscopy make explicit its policy regarding Green and Gold Open Access. We are moving to provide prospective authors with the option of paying for Gold-OA. See Appendix 3 for a draft of the proposed policy. We have delayed implementation of an OA submission option until the EC and the EAB have had a chance to discuss and provide input.

Impact Factor:

Our impact factor is up for 2012—the highest in four years. See the graphic below. We were hoping we would crack 2 and we came very close—22 cites more and we would have made it!



The good news is that it is the best we have done in four years and *it can largely be attributed (I believe) to the increased focus and aggressive solicitation of review articles*. The further good news is that we have 19 Focal Points in 2011-2012 to help drive 2013 cites. We are already up to 113 (September 9, 2013) cites (in 2013) for these 19 articles. (For the 2012 IP calculation we had 97 cites to 11 review papers.)

Focal Point Citation Statistics 2008-present

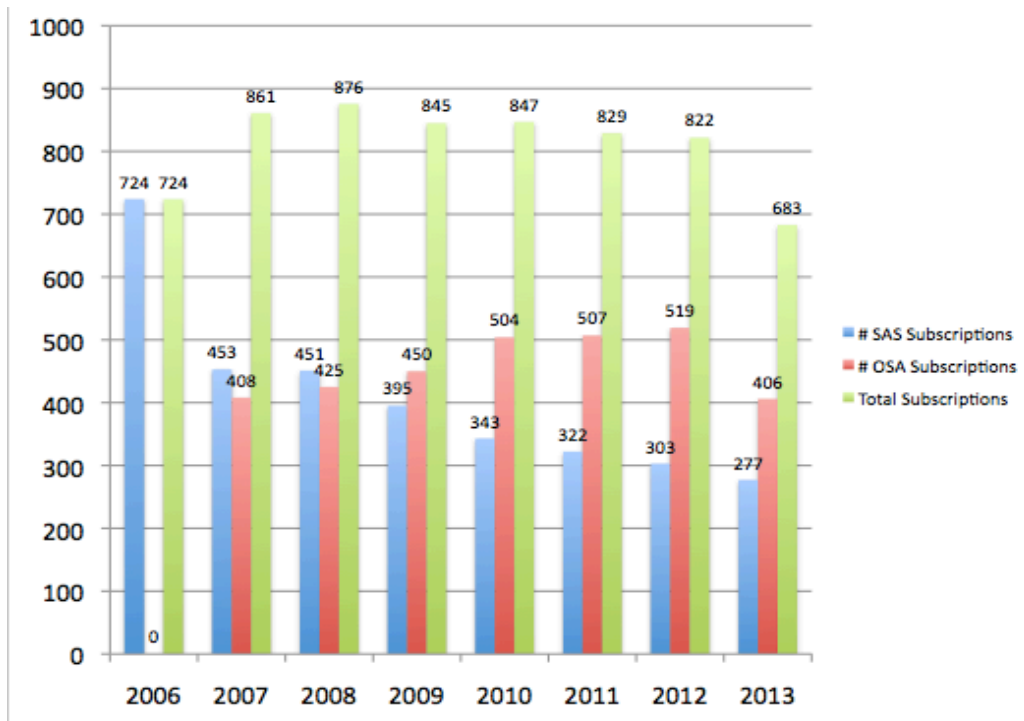
| Years | FP Articles | Total cites in (Impact Factor Year) |
|-----------|-------------|-------------------------------------|
| 2007-08 | 8 | 14 (2009) |
| 2008-09 | 9 | 28 (2010) |
| 2009-10 | 5 | 23 (2011) |
| 2010-11 | 11 | 97 (2012) |
| 2011-2012 | 19 | 113 (2013) as of September 8, 2013 |

It should be noted that the 2012 increase is not the same situation as that in 2008. That year, there was a jump in the impact factor for most all of the journals; my understanding is that this was due to the indexing of conference proceedings differently than in the past. They addressed this in 2009 and most journal impact factors decreased by about the same factor they increased the previous year. Below are the impact factors for the major analytical chemistry and spectroscopy journals. The red indicates decline, the black an improvement. Notice that the trend is down for the majority of the journals considered with a couple of notable exceptions!

| Impact Factor by Year | | | | | | | | | | | |
|-----------------------|------------|----------------|---------|---------|--------------|---------|---------|---------|------------|----------|---------|
| | Anal Chem. | Anal Chem Acta | Analyst | Talanta | Anal Bioanal | JAAS | JRS | SAA | Appl Spec. | Vib Spec | SAB |
| 2006 | 5.646 | 2.894 | 3.198 | 2.810 | 2.591 | 3.630 | 2.133 | 1.270 | 1.879 | 1.88 | 3.092 |
| 2007 | 5.287 | 3.186 | 3.553 | 3.374 | 2.867 | 3.269 | 3.514 | 1.511 | 1.902 | 1.78 | 2.957 |
| 2008 | 5.712 | 3.146 | 3.761 | 3.206 | 3.328 | 4.028 | 3.526 | 1.510 | 2.062 | 1.81 | 2.853 |
| 2009 | 5.214 | 3.757 | 3.272 | 3.290 | 3.480 | 3.435 | 3.147 | 1.566 | 1.564 | 1.931 | 2.719 |
| 2010 | 5.874 | 4.311 | 3.913 | 3.722 | 3.841 | 4.372 | 3.137 | 1.77 | 1.729 | 2.083 | 3.552 |
| 2011 | 5.856 | 4.555 | 4.23 | 3.794 | 3.733 | 3.22 | 3.087 | 2.098 | 1.663 | 1.65 | 2.876 |
| 2012 | 5.695 | 4.387 | 3.969 | 3.498 | 3.659 | 3.141 | 2.679 | 1.977 | 1.942 | 1.747 | 2.605 |
| change | (0.161) | (0.168) | (0.261) | (0.296) | (0.074) | (0.079) | (0.408) | (0.121) | 0.279 | 0.097 | (0.271) |
| % change | (2.75) | (3.69) | (6.17) | (7.80) | (1.98) | (2.45) | (13.22) | (5.77) | 16.78 | 5.88 | (9.41) |

Subscription Information:

The diagram below shows the number of institutional subscriptions for OSA and Ingenta. The share of subscriptions handled by OSA has crept up over the past five years and the number handled by Ingenta has decreased. The bad news is that the total number of subscriptions has dropped significantly in 2013. This is perhaps a measure of the economics of library acquisitions. Regardless, it is very concerning.



From OSA (August 26, 2013), "The consortia line is actually not yet complete for 2013, as we have a few large consortia groups in India that have not yet paid and another in Russia that is not yet reflected as they paid late last month and the data didn't make it into the July report. Thus, these subscriptions don't show up in this line item yet. All of our consortia from 2012 have renewed their subscriptions this year and have also confirmed that they will be paying. So essentially just a timing issue.

There is real attrition though in your single subscriptions, as we have received all that we are likely to get for this year. It looks like the attrition is steeper this year versus last year with a loss of 15 subs (when online only and print plus online are added together). This is consistent with what OSA was expecting and is seeing for most of its journals, and it is very likely to continue. This is because libraries find it much easier to eliminate a subscription to a single title over a package subscription. The inclusion of your new online only sub should help to limit the erosion, but we would recommend that you plan for these 2 line items to continue to drop."

OSA data in the table below for 2011-2013..

Applied Spectroscopy - 2013 Subscription Sales

07/31/13

| Applied Spectroscopy | 2011 Subscriptions | 2012 Subscriptions | 2013 Subscriptions YTD |
|--|-----------------------|-----------------------|------------------------------|
| NEW Single Online access only (<i>non consortia</i>) | 0 | 0 | 20 |
| Single Print w/Online access | 136 | 128 | 93 |
| Single Print w/Online access - <i>Discounted</i> | 12 | 9 | 9 |
| Combo 3 Package | 2 | 4 | 4 |
| Subtotal | 150 | 141 | 126 |

Optics InfoBase Package

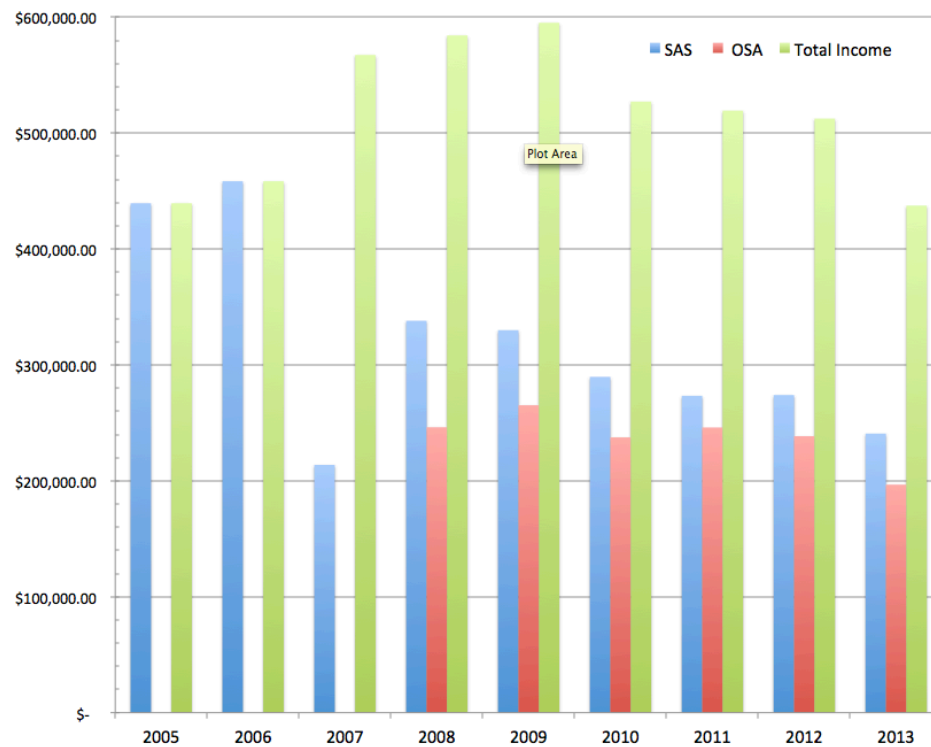
| | | | |
|----------------------|------------|------------|------------|
| Regular | 97 | 102 | 107 |
| Regular - Discounted | 37 | 35 | 29 |
| Subtotal | 134 | 137 | 136 |

Consortia

| | | | |
|----------------------|------------|------------|------------|
| Applied Spectroscopy | 6 | 6 | 9 |
| Optics InfoBase | 219 | 235 | 140 |
| Subtotal | 225 | 241 | 149 |

| | | | |
|----------------------------|------------|------------|------------|
| Total Subscriptions | 509 | 519 | 411 |
|----------------------------|------------|------------|------------|

Total income from subscriptions is down significantly in 2013.



Editorial Office Statistics:

The table below has statistics on the manuscript flow for the years 2009-2013. The numbers on manuscript flow have been fairly steady over the past four years. 2012 saw a significant increase in number of manuscripts submitted relative to 2011 and was the highest for the past four years. We are anticipating that 2013 will see a similar increase in submissions. We are currently on track for about 440 original manuscript submissions in 2014 if the current pace of about 37 manuscripts per month continues. In July we hit a four-year high for submissions with 49 received. **One of the more significant numbers in the table below is the current rejection rate for 2013**, which is significantly higher than in the past.

the past.

| | 2009 | 2010 | 2011 | 2012 | 2013* |
|---|------------|------------|------------|------------|------------|
| Original manuscripts submitted | 382 | 371 | 356 | 394 | 301 |
| Revised manuscripts submitted | 260 | 262 | 208 | 255 | 191 |
| Manuscripts accepted without revision | 7 | 7 | 14 | 13 | 7 |
| Return with Revisions | 201 | 223 | 206 | 227 | 157 |
| Manuscripts rejected | 123 | 124 | 109 | 137 | 127 |
| Rejected with review | 66 | 86 | 80 | 82 | 61 |
| Rejected without review | 57 | 38 | 29 | 55 | 66 |
| Rejected after revision | 9 | 15 | 9 | 15 | 9 |
| Rejection Rate (%) | 34.3% | 34.6% | 31.8% | 38.5% | 45.2% |
| Manuscripts requiring a second revision | 65 | 54 | 37 | 63 | 42 |
| Manuscripts accepted after revision | 224 | 224 | 179 | 220 | 155 |
| Manuscripts withdrawn | 23 | 13 | 13 | 38 | 20 |
| Original manuscripts not withdrawn | 359 | 358 | 343 | 356 | 281 |
| Total manuscripts submitted (original & revision) | 642 | 633 | 564 | 649 | 492 |
| Total papers published | 196 | 200 | 177 | 177 | 135 |
| | | | | | |
| Breakdown of Paper Type | | | | | |
| Focal Point | 3 | 3 | 9 | 10 | 5 |
| Accelerated Papers | 4 | 4 | 0 | 0 | 1 |
| Submitted Papers | 166 | 179 | 156 | 144 | 114 |
| Spec Techs | 11 | 6 | 4 | 12 | 6 |
| Notes | 11 | 8 | 8 | 11 | 9 |
| Total manuscript pages published | 1442 | 1452 | 1440 | 1491 | 135 |

* September 5, 2013

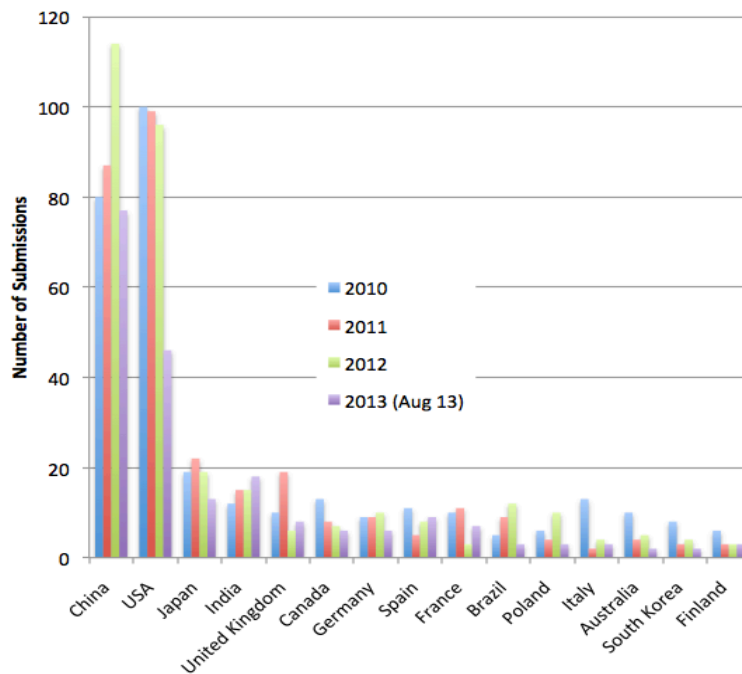
Submissions by month.

The chart below summarizes the number of original submissions by month. We hit a four-year record for submissions in July 2014.

| New Manuscripts Submitted | | | | | |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| | 2013 | 2012 | 2011 | 2010 | Av by Month |
| Jan | 44 | 33 | 24 | 36 | 34 |
| Feb | 38 | 22 | 36 | 28 | 31 |
| Mar | 31 | 29 | 28 | 33 | 30 |
| Apr | 28 | 40 | 24 | 47 | 35 |
| May | 45 | 39 | 32 | 23 | 35 |
| Jun | 23 | 22 | 33 | 37 | 29 |
| Jul | 49 | 34 | 32 | 35 | 38 |
| Aug | 14 | 23 | 39 | 30 | 27 |
| Sept | | 34 | 28 | 35 | 32 |
| Oct | | 30 | 29 | 28 | 29 |
| Nov | | 36 | 33 | 29 | 33 |
| Dec | | 31 | 33 | 26 | 30 |
| Average | 36.9 | 31.3 | 30.9 | 32.3 | 31.5 |
| Total | 272 | 373 | 371 | 387 | |
| On track for > | 442 | | | | |
| | | | | | |

Submissions by country

The graphic below shows the breakdown of submissions 2010 to 2013 by country of origin for the top 15 countries. The number of submissions from China has increased steadily over the past five years and this trend is expected to continue in the future.



Time for Review:

Some good news.

| | | | |
|--|------|------|-------|
| Applied Spectroscopy | 2011 | 2012 | 2013* |
| Monthly Report Statistics | | | |
| Average Days from Date Received to Associate Editor Secured | 2.7 | 3.8 | 4.1 |
| Average Days from Date Received to First Reviewer Secured | 9.7 | 12.9 | 11.2 |
| Average Days from Date Received to Final Reviewer Secured | 24.0 | 25.8 | 19.8 |
| Average Days from Date Received to First Decision (review returned) | 39.3 | 38.9 | 29.8 |
| Average Days from First Reviewer Secured to Final Review Returned - Total Days in Review | 42.7 | 42.7 | 29.7 |
| Average Days from Final Review Returned to Final Decision | 2.8 | 3.2 | 3.5 |
| | | | |
| Average Days from Received to Decision Rendered | 55.2 | 58.8 | 44.4 |

In the table above one can see that rate limiting steps are the *securing reviewers* and *waiting for both reviews to be returned*. Our goal last year to get the “Average Days from Received to Decision Rendered” to under 40 days. We are doing this by being more dogged in securing overdue reviews and to assigning extra reviewers once a threshold has been reached. It can be seen that the early returns are showing that we are having some success in meeting that goal.

Downloads Statistics:

Our downloads appear to be trending toward a decrease over the past three years mostly the result of a decrease in downloads from Ingenta.

| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 (to Jul 31) | 2013 on track |
|--|---------|---------|---------|---------|---------|---------------------|------------------|
| Full-text downloads from Ingenta | 48,370 | 40,167 | 40,608 | 28,583 | 28,755 | 24,219 | 41,518 |
| Full-text downloads from OSA | 63,148 | 66,502 | 87,236 | 82,197 | 71,734 | 58,758 | 100,728 |
| Totals | 111,518 | 106,669 | 127,844 | 110,780 | 100,489 | 82,977 | 142,246 |

Overview of strengths and weaknesses of Applied Spectroscopy

Strengths

- Continuing increase in manuscript submissions over the past few years.
- Impact factor has increased for 2012 and there is reason to believe that it will increase for 2013
- Dedicated and talented editorial staff and associate editors
- High quality peer review and copy editing
- AS has a 65-year tradition in the publishing business and it is a respected “brand”.
- A small staff/scale of operation means we can respond and adapt quickly to needed change.
- Our independence means that we can develop our own policy regarding access, etc. For example, the decision to provide Focal Point articles as Open Access.

Weaknesses and Challenges

- Applied Spectroscopy is a stand-alone publication with a relatively small Editorial staff and very little in the way of resources for promotion and enhancements. For example, OSA employs a staff of 150 for a stable of 16 journals. They have a full-time lawyer to review/prepare contracts and professional web programming staff. The commercial publishers have full-time employees dedicated to developing journal enhancements and for marketing. We are at a distinct disadvantage because of the scale of our operation.
- The impact factor (~ 2) is below most of the immediate “competition”. The direct effect is that we do not receive the numbers of quality papers as other related journals. We need to be in the range of 3 to attract these papers.
- The subscription base is slowly eroding which affects journal (society) revenue.
- The majority of our manuscripts come from ESL countries that adds overhead to the copy editing process.
- There is no comprehensive membership and subscription strategy.
- Need to adopt new e-journal format and explore other high-tech strategies as value-added benefits of Society membership and to demonstrate competitiveness.
- Lack of a social media strategy to increase interest and generate readership.
- A more dynamic web presence that is regularly updated (weekly, twice-weekly) to include news items, events, press releases, spotlight on/interview with authors, E-i-C notes, editorial blogs, etc.

Appendix 1: Top ten articles downloaded from January 2013 to July 31, 2013 (source Ingenta and OSA)

| Item title | Volume | Issue | Ingenta downloads | OSA Downloads | Total |
|--|--------|-------|----------------------|------------------|-------|
| Review of Super-Resolution Fluorescence Microscopy for Biology | 65 | 9 | 551 | 233 | 784 |
| Quantum Dots in Bioanalysis: A Review of Applications Across Various Platforms for Fluorescence Spectroscopy and Imaging | 67 | 3 | 434 | 191 | 625 |
| Laser-Induced Breakdown Spectroscopy (LIBS), Part II: Review of Instrumental and Methodological Approaches to Material Analysis and Applications to Different Fields | 66 | 4 | 290 | 232 | 522 |
| Surface-Enhanced Raman Scattering: An Emerging Label-Free Detection and Identification Technique for Proteins | 67 | 4 | 424 | ? | 424 |
| Application of Spectroscopic Ellipsometry and Mueller Ellipsometry to Optical Characterization | 67 | 1 | 313 | 103 | 416 |
| AFM-IR: Combining Atomic Force Microscopy and Infrared Spectroscopy for Nanoscale Chemical Characterization | 66 | 12 | 283 | 97 | 380 |
| Plasmonics for Nanoimaging and Nanospectroscopy | 67 | 2 | 142 | 203 | 345 |
| Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) for Quantitative Analysis in Environmental and Life Sciences: A Review of Challenges, Solutions, and Trends | 66 | 8 | 148 | 178 | 326 |
| Infrared Spectroscopic Imaging: The Next Generation | 66 | 10 | 306 | ? | 306 |
| Nucleic Acid Fluorescent Probes for Biological Sensing | 66 | 11 | 142 | ? | 142 |

Appendix 2: Future Focal Point Articles:

| Authors | Title | Submit Date | Issue |
|---|--|-----------------------|----------|
| Lopes and Santos | A review on the applications of portable near infrared spectrometers in the agro-food industry | Under Revision | November |
| Zhiwei Huang, SNU | Pushing the frontier in biomedical Raman endospectroscopy into real-time diagnosis of pre-cancer and cancer | Mid July 2013 | December |
| Jonathan M. Irish, Vanderbilt University | Mass Cytometry | July 31 2013 | 2014 |
| Andrew Whitley, Horiba | Fluorescence Avoidance and Correction Methods in Raman Spectroscopy | September 30 2013 | 2014 |
| Costanza MILIANI | Vibrational Spectroscopies for Non-invasive In-situ Analysis of Cultural Heritage Materials: a Review" | Unspecified | 2014 |
| Griffiths/Turner | Automated Baseline Subtraction of Vibrational Spectra | Early 2014 | 2014 |
| Axel Zeitler, Cambridge | Terahertz spectroscopy and imaging. | Late Fall | 2014 |
| Delmar Larsen | Ultrafast Photobiology | Late Summer | 2014 |
| Rene Beattie – Crescent Diagnostics | Chemometrics methods in spectroscopy | Late Summer | 2014 |
| Tahei TAHARA, Director of Molecular Spectroscopy Laboratory RIKEN | Spectroscopy of Molecules at Interfaces | Late Summer | 2014 |
| Lev T. Perelman | Light scattering spectroscopy in biomedical diagnostics | Late Summer | 2014 |
| Augustus Fountain | Spectroscopy of Explosive Materials | TBA | 2014 |
| Daniel Cozzolino | The use of spectroscopy in wine making | TBA | 2014 |
| Christy Haynes | SERS in complex media | Early 2014 | 2014 |
| Rick Russo and Vassilia Zorba | Near-Field Optics for Ablation Chemical Analysis | Early in 2014 | 2014 |
| Volker Deckert | Tip-Enhanced Raman Spectroscopy | Expected Mid-Feb.2013 | ??? |
| Laurence R. Schimleck, Oregon | Spectroscopy/Wood Science | Accepted in principle | ??? |
| Ralph Sturgeon | Vapor Generation for Atomic Spectrometry" | thinking about it | 2014 |
| He Huang | 2D-COS | Accepted | 2014 |
| Bernhard Lendl | Analytical Applications Quantum Cascade Lasers | invitation sent | Accepted |
| Eichenholz | Miniaturized Spectrometers and Spectral Sensors | Invitation sent | |
| Yasumitsu Ogra | Hybrid Techniques with plasma spectrometry for ultratrace and trace metal analysis and their speciation to solve biological and environmental problems | invitation sent | |
| ????? | Bio-Chemical Sensors based on Photonic Crystals | ????? | |
| Paolo Oliveri | Spectroscopic Verification of Food Authenticity | invitation sent | |

Appendix 3

Draft Open Access Policy

Applied Spectroscopy and Open Access

The Society for Applied Spectroscopy is a non-profit organization dedicated to the dissemination of information related to spectroscopy. The SAS publishes Applied Spectroscopy monthly. Applied Spectroscopy is an international journal for the publication of original research and review articles, both fundamental and applied, covering all aspects of spectroscopy. The journal has been published continuously since 1951 and is highly respected in the analytical chemistry and spectroscopy community. Submitted papers are put through a rigorous peer review process and accepted manuscripts are copy-edited to a very high standard.

Open Access has become a complex issue in the publishing world because of the various options available and also because of the proliferation of “fly-by-night” open access journals. Jeffrey Beal of the University of Colorado observes, “The gold open-access model has given rise to a great many new online publishers. Many of these publishers are corrupt and exist only to make money off the author processing charges that are billed to authors upon acceptance of their scientific manuscripts.” By publishing your research results in Applied Spectroscopy, you are publishing in a journal with a 60-year tradition of publishing outstanding, groundbreaking work.

There are two primary vehicles for delivering OA for research articles - Green Open Access and Gold Open Access

For Gold open access the publisher makes that final published form of the article freely available. For Applied Spectroscopy Gold OA articles are flagged by the journal host (<http://www.ingentaconnect.com>) as “Open access content” and can be downloaded for free by anyone with internet access.

For Green open access the publisher provides access to the paper for journal subscribers for some period of time (the embargo period) but after that period expires a production form of the paper is placed in an archive or repositories that allows it to be freely accessible. The form of the paper that is made available varies from publisher to publisher. It can be the final published form (normally a PDF) or it can be the final accepted manuscript before copy-editing.

In keeping with the mandate of the Society to “... advance and disseminate knowledge and information concerning the art and science of spectroscopy and other allied sciences the journal is supporting and facilitating open access to its content. Since 1994 Applied Spectroscopy has been featuring review papers (called Focal Point Reviews) on different aspects of fundamental and applied spectroscopy. These review papers are peer-reviewed and are intended to provide an introduction, overview, and perspective on the subject of the review. As a service to the analytical chemistry and spectroscopy community, these papers are available as Gold OA. We hope that through this initiative we can provide a resource for researchers, students, and the general public to learn more about

spectroscopy and its many uses in fields such as chemistry, physics, biological and health sciences, environmental science, materials science, archeology and art conservation, and forensic science.

Applied Spectroscopy encourages and supports author compliance with the directives of various funding bodies that require grantees to place a version of the accepted manuscript in an open digital archive, such as PubMed Central, after an embargo period. For authors funded through NIH (USA) and CIHR (Canada), Applied Spectroscopy will facilitate this process at the authors' request by uploading a PDF version of the manuscript for authors after the mandated embargo period has expired. Currently, there is no charge for this service.

In addition, Applied Spectroscopy will publish, as Gold OA, submitted articles for which a page charge of \$150 per published page is levied to provide for open access when the article is published. Authors who choose this Gold OA option will retain copyright under a Creative Commons license. This open access option will enhance access for your article while simultaneously fulfilling mandates from employers and funders. Gold OA articles will be subject to the same rigorous peer review as "regular" submitted articles.

Newsletter Editor's Report
David Butcher
August, 2013

Six issues of the newsletter have been published since our last report, as detailed in the table below. To my knowledge, there have been no technical issues.

I would like to acknowledge the contribution of Xiaohua Zhou, who is serving on the 2013 Newsletter Committee.

Ed McMillan and Bill Cunningham have sold several advertisements for the Newsletter over the past six months. I appreciate their excellent work in raising funds for SAS.

I would also like to thank the SAS Executive Committee for their excellent guidance and interest in the Newsletter. Their encouragement has encouraged the submission of additional items for the Newsletter.

| Issue | Topic |
|--------------|---|
| March 2013 | SAS Sponsors Symposia at Pittcon 2013 |
| April 2013 | Prof. Stephen Cramer wins NYSAS Gold Medal Award |
| May 2013 | Proposed Changes to the SAS Constitution |
| June 2013 | SAS Members Only Event at SCIX |
| July 2013 | Lester W. Strock Award to be Presented to Rick Russo |
| August 2013 | 2013 Election of Officers & Governing Board Delegates and Proposed Governance Revisions |

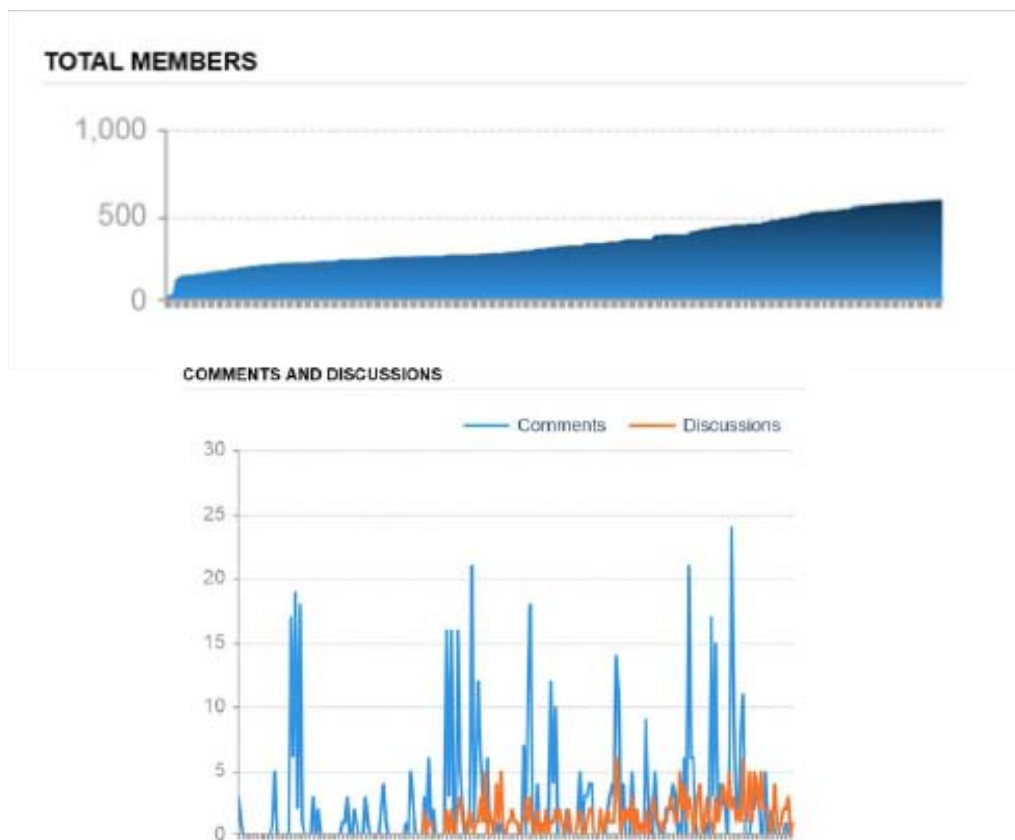
Membership Coordinator's Report for SciX 2013

SciX 2013

Our 4th Annual SAS Day event is scheduled from 12-4 PM on Sunday September 29th and will include a tour of Pabst Brewery and barbeque lunch. This schedule will provide us with ample time to return to the hotel and prepare for the SAS poster session that evening.

LinkedIn

We currently have 590 members in our LinkedIn group, an increase of 33 members since Pittcon 2013 and continue to grow at a steady rate. There has also been an increase in the level of activity and discussions on the site. See images below. Gloria Story has served as an excellent manager for our group. Linked In seems to be one of the most important ways that our members are interacting on-line one of the discussions at our membership meeting will be to think about ways we can use it to encourage more interaction among members.

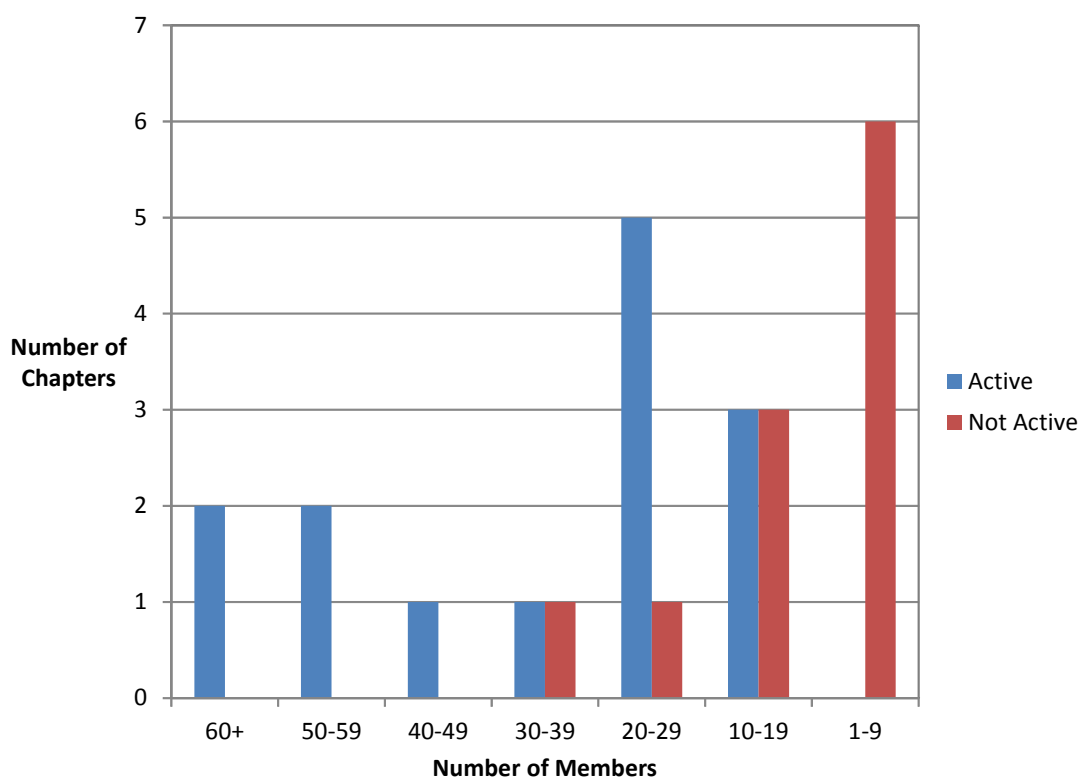


Current Membership Information

I asked Bonnie to send me some information about our current membership, which stands as of August at 1841 members total and is overwhelmingly composed of individuals in the regular (64.3%) and student (21.1%) categories. No other category is larger than 5.5% (retired). Our membership also continues to both be dominated by individuals from North America and Europe, while including small members from a large number of countries. See table below.

| region | % of SAS membership |
|---------------|---------------------|
| North America | 76.2% |
| Europe | 15.2% |
| Asia | 5.9% |
| South America | 0.9% |
| Australia/NZ | 0.9% |
| Middle East | 0.8% |
| Africa | 0.2% |

I also examined the representation of members in various local sections, technical sections, and student chapters. The likelihood of a local section being active is strongly dependent on the number of members in it. This may provide useful information in determining the membership requirements to for local sections.



However, this trend is not true for technical sections, where there is little that is predictive of their level of activity. Only three of the 13 technical sections are active: Coblenz (351), CNIRS (76), and Process (33). Many of our large technical sections including atomic (179), chemometrics (109) and imaging (96) are not active at all. One hypothesis is that these other subfields are organized through different means.

All together, 1126 members have chosen technical sections and 631 have chosen local sections. Overall, this means that 959 or 52.0% of our members are in active

local/student/technical sections, while 882 or 48.0% of our members are in local/student/technical sections which are not active. I think it is concerning that almost half of our members are affiliated with sections which are not currently active and that this provides with an opportunity to see how we can rethink how these sections can work better for our membership.

Finally, I think it would be very useful for the Society to consider a survey of our membership which focuses on what they see the benefits of membership to be and in what ways we could better work to engage them. The last survey results that Bonnie sent me are from 2007, but really focus on information necessary to promote advertising in the journal and not on membership satisfaction. This is a topic I plan on further discussing with the membership committee during our meeting during SciX.

Respectfully submitted,
Karla McCain

Student Representative Report

Ryan Schmeling

SciX Milwaukee 2013

Student Event is Monday at 7pm at The Safe House, all are invited to attend.

Three of the four Student Ambassadors have performed their duties, with the final Ambassador attending the Winter Plasma Conference in January. Carina Minardi had her letter published in the July issue of The SAS Spectrum Newsletter. The other two will have theirs published soon.

Attached is the updated information letter that will go out to the students if we choose to continue this program. I am suggesting that in the last couple months on my term that we work to improve the questions for fielding candidates for the positions.

I will then hand the reigns over to Chad Atkins on January first, when the first call for Student Ambassadors will go out soon after.

I would like to thank all of you for the past two years. It has truly been a pleasure to meet and work with all of you and I am incredibly thankful for this opportunity!

Student Ambassador Program

The Society for Applied Spectroscopy is a nonprofit organization formed to advance and disseminate knowledge and information concerning the art and science of spectroscopy, and other allied sciences, to advance the professional standing and growth of the Society and its members, to coordinate cooperative endeavors of its individual members and sections, and to promote and maintain a close bond among its members

The Student Ambassador program was started to promote growth of the society and to help to disseminate knowledge to new members. The role of the student ambassador would be speak with fellow students at conferences and inform them of the benefits of being a member of the Society of Applied Spectroscopy. This would require a small portion of time at the conference, mainly working a table at the conference and speaking with passer-bys during the breaks between talks.

There is funding to help 4 students to travel to area specific conferences. The goal of the Student Ambassador Award is to help students acquire funding for travel/registration to a niche conference. In return SAS will ship materials for a table and the award winner will set up the table, and hand out materials to conference attendees during breaks from talks. Examples of conferences that would be acceptable to apply for this award include, but are not limited to Winter Plasma, ICORS, American Society of Mass Spec (ASMS), Near Infrared (NIR). If you are unsure feel free to ask. Applications will not be accepted for SciX and PITTCO, as there is already a SAS booth at these conferences.

Student Ambassador Duties

- Set up table in common area of the conference
- Be present at the table during breaks in talks, mornings, lunch, post talks
- Talk with attendees (not just students) about SAS, discuss the perks, the journal, and why they would want to join the society
- Pack the table up and get materials shipped back to the office (prepaid shipping)
- In order to collect your reimbursement for you travel expenses a short write up needs to be submitted discussing your experience at this conference as a Student Ambassador. This will be included in the Spectrum, SAS's monthly news letter

Awards Committee Report – Fall 2013

Robert Lascola, Chair (robert.lascola@srnl.doe.gov)

Mike Carrabba, Chair-Elect (mcarrabba@hach.com)

Chris Field (christopher.field@nrl.navy.mil)

In the first half of 2013, the Awards Committee administered two awards. In June, we agreed on recommendations for recipients of the 2013 SAS Graduate Student Award. The decision process was the following. First, each member of the committee independently evaluated the nominations and generated a top 6 list of candidates. Our primary criteria were publications, strength of recommendation(s), and presentation record. We also considered evidence of leadership, likelihood of future success and contribution to the Society, and time spent in the graduate career. Each list contained essentially the same names, although our rankings differed. We thus held a teleconference to resolve the differences. Our discussion was spirited, as there are many deserving candidates, but eventually two candidates distinguished themselves from the rest.

We are pleased to recommend Marie Richard-Lacroix (Universite de Montreal: advisor, Christian Pellerin) and Andrew J. Schwartz (University of Indiana: advisor, Gary Hieftje) to receive the 2013 SAS Graduate Student Award. Both Richard-Lacroix and Schwartz have demonstrated exceptional productivity, evidenced by multiple first-author papers in excellent journals while still being at the mid-point of their graduate careers, and have established themselves as advancing their respective fields (polarized Raman spectroscopy and atomic emission spectroscopy, respectively). They have also assumed leadership positions within their groups, mentoring older students, postdocs, and visiting scientists, in addition to newer members. Both are highly regarded and considered by other faculty to be valuable members of their departments. While these qualities could be ascribed to other candidates for the awards, these were in greater abundance for both Richard-Lacroix and Schwartz, and achieved more quickly.

We would also like to note that Meirong Dong (U. California/LBNL: advisor, Richard Russo) merited serious consideration and is worthy of an honorable mention.

In August, we agreed on recommendations for the recipients of the Undergraduate Travel Grant Awards. Each member of the committee evaluated the applications forwarded by the national office and discussed their evaluations by email exchange. Of the seven applicants, one was found to be ineligible by virtue of being a masters-level student. The other six applicants were found to be eligible, presenting papers at the upcoming SciX conference, and otherwise deserving of support from SAS. Those six are: Willis Jones (Wake Forest U./Bradley Jones), Natascha Knowlton (U. Utah/Joel Harris), Craig McLean (U. Arkansas/Elizabeth Cowan, Ctr. Disease Control), Charles Paquet (UMKC/James Durig), Russell Putnam (U. Windsor/Steven Rehse), and Victoria Robideau (U. North Texas/Guido Verbeck). We propose that each of the six applicants be supported at a level of \$250.

2013 Poehlman Award

The winning section is the NYSAS section.

The NYSAS section continues to support the goals and ideals of the Society, and have made significant effort toward continuous improvement in four areas: First, they improve student involvement, including organizing a graduate student night and attracting student attendance to our regularly held dinner meetings. Second, they continued to make effort to include a virtual option with our regularly held dinner meeting to reach broader members. Third, all of the current and past officers have been very diligent to keep the traditional NYSAS activities alive with impact, including the Gold Medal special award session and student award programs. Fourth, they actively supported and utilized the SAS tour speaker program.

Respectfully,

The Regional Affairs Committee

Regional and Technical Section Report

Given at: SciX 2013

Chair: David Heaps

Members: Benoit Igne & Nancy L. Jestel

We still have a few very active regional and technical sections. Some sections have seen some growth over the year. Finding people to take leadership roles for some of the sections is very difficult. Table 1 shows the last known leadership position for each regional section. Table 2 shows the growth of each regional section. Table 3 shows the student chapters' membership. Table 4 is shows the technical sections' membership. Table 5 is the percentage of the total membership in each section.

Table 1 Leadership of the regional sections

| | Chair | Chair Elect | Secretary | Treasurer |
|----------------------|----------------------|-------------------|-----------------------|--------------------|
| Baltimore-Washington | John S. Canham | | Kristine K. Patterson | Jeb S. Taylor |
| Chicago | Fred J. Swiecinski | Slav Stepanovich | Alyson M. Leigh | Carol Jo Snider |
| Cincinnati | | | | |
| Cleveland | Brian C. Perry | Thomas Steele | Sara M. Freeman | Robert C. Williams |
| Delaware Valley | Cecil Dybowski | Lois Weyer | David A. Russell | Harvey S. Gold |
| Detroit | Patricia B. Coleman | Ian R. Lewis | David M. Coleman | |
| Houston | | | | |
| Indiana | Andrew P. Storey | Kevin P. Pfeuffer | Andrew J. Schwartz | Elise A. Dennis |
| Intermountain | | | | |
| Mid-Michigan | | | | |
| Minnesota | Douglas L. Elmore | | Fred LaPlant | |
| New England | Frederick G. Haibach | | Ellen V. Miseo | Stephen Williams |
| New York | Lydia Breckenridge | | Deborah A. Peru | Richard Castino |
| Niagara Frontier | | | | |
| Northern California | | | | |
| Ohio Valley | Jamie J. Gengler | | Paul S. Hsu | |
| Pacific Northwest | | | | |
| Penn York | | | | |
| Piedmont | David J. Butcher | | | |
| Pittsburgh | Gregory J. Meisner | | Joseph Grabowski | |
| Rio Grande | | | | |
| Rocky Mountain | | | | |
| Saint Louis | Eileen L S McClendon | | David L. McCurdy | |
| Snake River | Jill R. Scott | | | |
| United Kingdom | Pavel Matousek | Caroline Rodger | Andy Brookes | John M. Chalmers |

Table 2 Regional Sections

| | 12-Feb | 12-Sep | 13-Mar | 13-Sep |
|----------------------|--------|--------|--------|--------|
| Baltimore-Washington | 26 | 50 | 50 | 54 |
| Chicago | 33 | 62 | 62 | 59 |
| Cincinnati | 6 | 14 | 14 | 16 |
| Cleveland | 8 | 16 | 13 | 16 |
| Delaware Valley | 12 | 27 | 25 | 25 |
| Detroit | 8 | 10 | 9 | 11 |
| Houston | 9 | 17 | 14 | 13 |
| Indiana | 4 | 19 | 17 | 18 |
| Intermountain | 6 | 7 | 6 | 8 |
| Mid-Michigan | 8 | 10 | 10 | 13 |
| Minnesota | 10 | 24 | 22 | 25 |
| New England | 40 | 67 | 70 | 68 |
| New York | 19 | 48 | 48 | 61 |
| Niagara Frontier | 2 | 4 | 4 | 4 |
| Northern California | 21 | 33 | 30 | 31 |
| Ohio Valley | 6 | 13 | 12 | 17 |
| Pacific Northwest | 3 | 11 | 11 | 15 |
| Penn York | 2 | 2 | 3 | 6 |
| Piedmont | 18 | 34 | 29 | 24 |
| Pittsburgh | 14 | 20 | 22 | 25 |
| Rio Grande | 5 | 7 | 7 | 9 |
| Rocky Mountain | 11 | 21 | 20 | 19 |
| Saint Louis | 20 | 29 | 28 | 28 |
| Snake River | 4 | 5 | 5 | 6 |
| United Kingdom | 26 | 46 | 48 | 51 |

Table 3 Student Chapters

| | 12-Feb | 12-Sep | 13-Mar | 13-Sep |
|-------------------------------------|--------|--------|--------|--------|
| Arizona State University | 1 | 3 | 4 | 6 |
| Brigham Young University | 1 | 4 | 3 | 5 |
| Iowa State University | N/A | 2 | 4 | 3 |
| Truman State University | 0 | 2 | 2 | 3 |
| University of Delaware | 0 | 2 | 3 | 5 |
| University of Idaho | 1 | 2 | 1 | 1 |
| University of Utah | 1 | 2 | 2 | 1 |
| University of Wisconsin - Milwaukee | 4 | 5 | 6 | 7 |

Table 4 Technical Sections

| | 12-Feb | 12-Sep | 13-Mar | 13-Sep |
|-------------------------------|--------|--------|--------|--------|
| Atomic Spectroscopy | 78 | 158 | 166 | 175 |
| BioTechnology | 21 | 43 | 50 | 52 |
| Chemometrics | 53 | 96 | 100 | 103 |
| Chirality | 6 | 10 | 11 | 8 |
| Fluorescence | 28 | 55 | 67 | 70 |
| Forensics | 20 | 39 | 45 | 45 |
| Imaging | 37 | 81 | 81 | 91 |
| Laser Sampling | 6 | 20 | 22 | 21 |
| Near-IR / CNIRS | 35 | 62 | 66 | 76 |
| NMR | 0 | 12 | 13 | 13 |
| Polymer Characterization | 32 | 51 | 56 | 53 |
| Process | 22 | 35 | 33 | 28 |
| Vibrational / Coblenz Society | 174 | 290 | 313 | 334 |

Table 5 Percentage membership

| | 12-Sep | 13-Mar | 13-Sep |
|---------------------|--------|--------|--------|
| Regional Section | 35.08% | 33.57% | 33.01% |
| Student Chapters | 1.29% | 1.45% | 1.65% |
| Technical Section | 56.03% | 59.30% | 56.74% |
| Sum of the sections | 92.41% | 94.32% | 91.40% |
| Total Membership | 1699 | 1725 | 1884 |

Seventeen speakers have offered to be considered for the Society of Applied Spectroscopy Spring Speakers Tour. These speakers are geographically as well as topically diverse and will hopefully appeal to the local sections for presentations. Thank you for the opportunity to serve the Society.

1. Mikhail Belkin – University of Texas, Austin, mbelkin@ece.utexas.edu
 - a. “Vibration nanospectroscopy with monolayer sensitivity via molecular force detection”
2. Frank Bright – SUNY Buffalo, chefvb@buffalo.edu
 - a. “Nanoscale optosensing platforms”
 - b. “Micro and nanoscale imaging”
3. Andrea Centrone – NIST, andrea.centrone@nist.gov
 - a. “Surface Enhanced Photothermal Induced Resonance (SE-PTIR): A New Method for Imaging near Field Hot Spots and Dark Plasmonic Modes”
 - b. “Quantitative Chemical Imaging Beyond the Diffraction Limit with the Photothermal Induced Resonance (PTIR)”
4. Joe Chaiken – Syracuse, jchaiken@syr.edu
 - a. “Introducing binary spectronephelometry”
 - b. “ “Hunting the Deceitful Turkey”: Recent progress in noninvasive in vivo blood and tissue analysis by Raman spectroscopy”
 - i. Note: I will be presenting a talk in San Francisco in the first week of February and so if we can connect an SAS tour with that we might be able to share some travel expenses...there may be other talks in the spring time-frame but this is what I know at this time. Thanks again and I look forward to hearing from you. My office phone is 315-443-4285 if that might be helpful.
5. Christopher Dreyer – Colorado School of Mines, cdreyer@mines.edu
 - a. Spectroscopy in combustion research. This was where I did most of my graduate work and I still do some. It would include Raman. Or it could be focused on one technique, such as just Raman.
 - b. In situ optical spectroscopy in space exploration. LIBS, Raman, UV fluorescence, IR absorption. I've been fortunate to get funded by NASA to develop instruments in this area. I'm not part of any of the instrument teams on MSL, but could talk about what

they are doing and review other work in the field. Could review what is "up and coming" and what are challenges in the field.

- c. Spectroscopy of ionic liquid [EMIM][TFSI]. I'm working with a group that just submitted a paper on UV through IR spectrum of this ionic liquid with impurities, and we're finishing up a second paper with a DFT model.
- d. Hollow waveguide cavity ringdown spectroscopy. Work on this is not active now, but it looking to get it restarted. Published on it several years ago and got a patent on it. I imagine that it would not be of as much interest as the other topics.

6. Dan Higgins – Kansas State University, higgins@k-state.edu

- a. "A Random Walk in the Dark: Following Single Molecules to a Better Understanding of Periodic Nanostructured Materials"

7. Glen Jackson – West Virginia University, glen.jackson@mail.wvu.edu

- a. Forensic case report: Spectroscopic methods solve the mystery about 37-year-old suspected trace human remains.
 - i. As part of a pilot for a new TV show for the History Channel, Dr. Jackson's research group was asked to identify the nature of a well-known white stain, in the shape of a human body, in a former mental health hospital. The stain could have originated from the death of a former patient at the mental health hospital who was known to have decomposed in the same room as the stain. However, graduate-level art students have occupied the building for decades and could easily have fabricated the stain. Physical and spectroscopic methods including ICP-OES, FTIR, CI-MS and GC-MS were all used to help identify the chemical nature of the stain, which turned out to be...
- b. Forensic applications of isotope ratio mass spectrometry.
 - i. Stable isotope ratios such as $^{13}\text{C}/^{12}\text{C}$ and $^{15}\text{N}/^{14}\text{N}$ can be used as internal markers to track the origin, transport and fate of all kinds of organic materials. They are usually measured using a specialized mass spectrometer. This presentation will discuss a variety of research applications and cases in which stable isotope ratios have been used to answer questions about forensic evidence. The talk will also cover some cutting edge developments in which isotope ratios of human hair are being used for investigative leads such as geolocation and biometric measures.

8. Timothy Keiderling – University of Illinois, Chicago, tak@uic.edu
 - a. "Protein folding starting from the ground up. Thermodynamic and kinetic spectroscopic studies of conformations for peptides and proteins with increasing complexity."
 - i. This is electronic (CD and fluorescence) and vibrational (IR and VCD mostly) studies that address equilibrium and dynamic structural changes in biomolecules. It is possible to modify the talk to be more technique oriented, applied to biomolecules, but this is what I would prefer.
9. Fred Long – Spectroscopic Solutions (New Jersey), fhlong@optonline.net
 - a. "Industrial Applications of Chemometrics & Spectroscopy"
10. Joe Loo – UCLA, jloo@chem.ucla.edu
 - a. Protein Mass Spectrometry - As a general topic.
 - i. Note: have to work around Spring teaching schedule
11. Nada O'Brien – JDSU (Santa Rosa, CA), Nada.OBrien@jdsu.com
 - a. "Recent Advances in Ultra-Compact Near Infrared Spectroscopy for Handheld Applications"
12. John Papanikolas – UNC Chapel Hill, john_papanikolas@unc.edu
 - a. "Visualizing Charge Carrier Dynamics in Individual Nanostructures Using Femtosecond Pump-Probe Microscopy"
13. Karly Pitman – Planetary Science Institute, pitman@psi.edu
 - a. general overview talks, e.g. Laboratory Spectroscopy: Applications to Astrophysics of Dust and Planetary Surface Analogs Advances in Producing Optical & Dielectric
 - b. specific datasets, e.g. Mid-UV to Far-IR Laboratory Spectroscopy of
 - i. - Hydrated Mg- and Fe-Sulfates For Mars
 - ii. - Silicate Glasses: Analogs to the Interstellar Medium Optical Properties and Applications of Silicon Carbide in Astrophysics but can work up something different, depending on the audience (chemists vs. physicists, etc.).
 - c. I work in southern CA and travel all over the U.S., so please feel free to send me to whichever SAS Local Section might be interested to hear more about how spectroscopy

Society of Applied Spectroscopy Speakers Tour 2014 – Tour Candidates

Mark Mabry, Rigaku Raman Technologies

August 2013

of solids is applied to space. Thanks again for the invitation, and please contact me at pitman@psi.edu or (626) 569-7741 with more details come October.

14. Andre Sommer – Miami University, sommeraj@miamioh.edu

- a. Title TBA (currently on vacation) – Molecular Microscopy Laboratory at Miami Univ. (Ohio)

15. David Thompson – Sam Houston University, det002@SHSU.EDU

- a. Surface Enhanced Raman Sensing: the promise and the challenge
 - i. *(This talk takes a broad look at the field. It aims to provide a historical introduction to SERS and its promise; an overview of current challenges in the field of SERS; and examples of creative research that is pushing the boundary of the field forward.)*
- b. Surface Enhanced Raman Spectroscopy on IR Transparent Substrates
 - i. *(This talk is specifically focused on the ongoing research in our group in the program that I am developing at Sam Houston State University, and describes our ongoing research to explore the role that surface enhancement in the IR can play in SERS experiments.)*

16. Scott Tilden – Rigaku Raman Technologies (Tucson, AZ) , Scott.Tilden@rigaku.com

- a. "Raman Spectral Searching - how do differing search techniques compare with real-world samples?"

17. Steve Valentine – West Virginia University, Stephen.Valentine@mail.wvu.edu

- a. "Monitoring structural transitions of biological ions in the gas-phase with overtone mobility spectrometry (OMS)"

Constitution and Bylaws Committee Report

Fall 2013

With proposed changes to the Constitution being voted upon this past summer, the Constitution and Bylaws Committee has focused their efforts on the Bylaws. We were provided by last year's committee with a working copy of the Bylaws containing many changes/comments. This was our starting point. Each member of the committee contributed additional changes/comments and worked to insure consistency between all the proposed changes and the Constitution while retaining Bylaw conciseness and focus. We also received input from the Executive Director, Treasurer, Editor-in-Chief, and Managing Editor on a number of points identified during our review. The many proposed changes are intended to accomplish a number of things including:

- Clarifying items
- Correcting items to reflect current practices
- Changing items to reflect "best" practices
- Adding additional information
- Achieving consistency with the new Constitution

A review and discussion of the proposed changes is requested of the Executive Committee. Specifically, a check for consistency and agreement between reality and the Bylaws regarding job duties, criteria, actions, responsibilities is needed. Following this review, we recommend that changes agreed upon by the Executive Committee be put to a vote by the Governing Board at SciX 2013.

Respectfully Submitted,

The Constitution and Bylaws Committee:

Mary Kate Donais (Chair), Ian Lewis, Steve Rehse

Meggers Award

**Recognizing the author(s) of an outstanding paper appearing in *Applied Spectroscopy*
2013 Award is Being Presented to:**

Eleanor Bonnist, Peter Caspers, Jean-Philippe Gorce, Chris Marriot, Paul Pudney, Gerwin Puppels, Scott Singleton, and Martin van der Wolf

Presented for “*A New in Vivo Raman Probe for Enhanced Applicability to the Body*”
Volume 66, Issue 8, (August 2012), pp. 882-891.

Strock Award

The 2013 Lester Strock Award is being presented to Richard E. Russo. The award is to recognize the development by Russo and his co-workers of the "LAMIS" concept. This innovation enables the remote, emission-based determination of isotope ratios by means of molecular-emission spectra.

Submitted by:
Gary Hieftje

2013 Lippincott Award

The 2013 award is being presented to Sunny Xie, Harvard University, for his pioneering contributions to the development of nonlinear vibrational imaging, including coherent anti-Stokes Raman and stimulated Raman scattering microscopy, and its applications to chemistry, biology and medicine.

Report to SAS on FACSS committee meetings attended during Pittcon 2013 in Philadelphia, PA; March 2013

Attended by Mary Kate Donais, Katherine Bakeev and John Wasylyk

John Wasylyk attended the Governing Board meeting as an SAS Delegate, replacing Ian Lewis who is serving as FACSS Governing Board Chair.

Long Range Planning. Aims are to continue to grow the meeting and include new societies as appropriate. The decision for Providence for the 2015 meeting was summarized. Location, cost of hotel, amenities and travel logistics were covered. The 2016 meeting location is under evaluation. The 2012 Kansas City meeting received favorable responses and may be considered. Discussions included holding 2016 meeting in continental and non-continental cities.

Considerable effort is also being made in the long range planning for FACSS, the organization, under the leadership of Diane Parry and Becky Dittmar.

Governing Board.

- New member organization was approved – the Council for Near Infrared Spectroscopy (CNIR). It was reported that the North American Society for LIBS (NASLIBS) received non-profit status, and the Spectroscopical Society of Japan also received non-profit status. The National Meeting of NASLIB will be merged with SciX starting in 2013 and will occur every other year hence.
- Some bylaws changes were approved including several editorial changes, changes to provide internal consistency and compliance with tax law, and changes related to voting procedures.
- Planning for the 2014 SciX meeting, to be held in Reno, NV, is underway and being led by Luisa Profeta, the General Chair 2014 and Jose Almirall, the Program Chair 2014. The meeting will feature Data Handling and Processing, and Security and the Forensic Sciences.
- The 2015 SciX Program Chair was elected to be Glen Jackson (WVU). The 2015 SciX General Chair was elected to be Edita Botonjic-Sehic (Morpho Detection). Mike Carrabba was elected to be the Exhibits Chair (2015-2017). John Wasylyk was elected to be the Marketing Chair (2014-2016). The Governing Board Chair position had no nominees and will be deferred until SciX 2013 in Milwaukee.
- The Scientific Association Management (SAM) contract was renewed.
- FACSS is continuing to apply considerable efforts and funds on marketing and view the rebranding as a smooth transition. The new website has favorable reviews.
- A report on 2013 SciX meeting in Milwaukee was given which included an overview of the facilities and hotel options, and major attractions nearby. Efforts are underway to increase Workshop attendance and increase local and regional university attendance.
- Financial summary indicates that there will not be a surplus from the 2012 SciX Kansas City meeting.
- Distinguished Service awards were given to Mark Hayes and Cindi Lilly for their dedication and years of service to FACSS.

August 26, 2013

To: SAS Governing Board
From: David S Trimble, Ph.D.
**Subject: Chemical Heritage Foundation
SAS Delegate Report**

Change of CHF Leadership:

Dr. Carsten Reinhardt, from Universität Bielefeld in Germany, has accepted the position of President and CEO of the Foundation. He brings a wealth of experience and passion – please see Attachment One for the formal announcement.

The Spring Heritage Council Meeting:

Outgoing President **Tom Tritton** addressed the council, going into some detail regarding **1) what communities do we serve, and 2) who is our audience.**

It makes some sense that we view our audience in two parts – the first being the **general public**. I have mentioned the 1st Fridays Program where the CHF opens the first Friday of each month with special programming to attract families, tourists, and the curious local public to (hopefully) entertaining and engaging interactive exhibits and demonstrations. Science on Tap is an interactive speaking/presentation program held at one the better known Old Town brew houses. There are also lecture series open to the public, science fair involvements in many local school districts, the CHF Magazine, and the CHF Podcast.

Then of course we serve the scientific public. This includes the member affiliate organizations like the SAS. Heritage Day held every spring is the highlight of the technical awards program. The toughest nut to crack is the scholarly audience – the CHF is commonly viewed as too “popular” and falling short in “hard boiled” science. This is a shame given the scholarship and research sponsored through the CHF that includes the Beckman Institute, the Oral Histories program, and several funded CHF staff scholars

This naturally led to a roundtable discussion of **how do we reach our audience, general and technical?**

Relationships between broader communities, Affiliate Organizations, and the CHF:

There is unanimous agreement that the broader membership of each member affiliate (such as the Society for Applied Spectroscopy) has little idea what the CHF is about, what projects both scholarly and exhibits oriented are under way, and what information is only a click (or two) away on the CHF web site. In other words, **CHF is a fantastic organization with wonderful assets (book and art collections, scholarly resources, permanent and rotation exhibit spaces), and is a generally well kept secret!**

It was generally agreed that The Chemical Heritage Magazine is the single best vehicle for communicating the activities of the society – and every effort should be made to widen its distribution. Does the SAS Board know that (a limited number, I think 50) free copies are available to each affiliate organization? I suggest that the National Office, the Board, and each local section receive some of our allotment! Perhaps Bonnie can receive a bulk shipment and distribute as we see fit?

This discussion continued for most of the afternoon, and much of the intended agenda was skipped because of the energy and value of said discussion. Some highlights:

- In the recent decade the ONLY categories for which the U.S. has a positive trade balance were chemicals and airplanes. We just lost chemicals in April of this year.
- We should place a higher priority on recording/preserving the histories of important chemical businesses.... Many no longer exist whether due to mergers/acquisitions, business failures following safety and/or environmental issues, or changes in the global economy.
- Other entities that are similarly engaged in the history of science should be considered for affiliate status – The Society for the History of Alchemy and Chemistry, The History of Science Society, The Canadian Society for the History and Philosophy of Science, The British Society for the History of Science and perhaps others.

Planned Meetings of the Heritage Council:

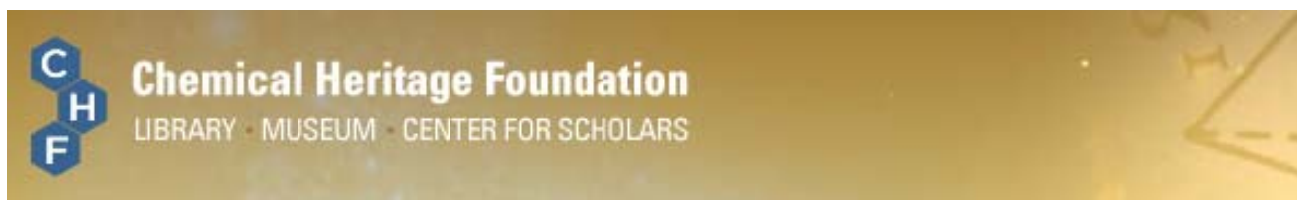
The next meeting of the Heritage Council will be held on **Thursday, October 10, 2013**. I have already received permission from my manager to attend!

Greater detail can be found in the formal minutes, included as Attachment Two.

Respectfully Submitted,

Dave Trimble

Attachment 1: Announcement of New CHF President and CEO



Dear Friends of CHF,

Following a global search and rigorous interview process, I'm thrilled to announce that [Carsten Reinhardt will join CHF as president and CEO](#), effective August 1, 2013. He will succeed Thomas R. Tritton, who is retiring.

Carsten comes to CHF from Bielefeld University, Germany. An eminent historian of science, he has extensively researched and published on the impact of chemistry on society through topics including the history of industrial research, the emergence of instrumentation, and chemistry's links to physics, biology, medicine, and technology.

No stranger to CHF, Carsten was a 1998-99 Sidney M. Edelstein Fellow in CHF's Beckman Center for the History of Chemistry.

Please join me in welcoming Carsten to CHF. I look forward to working with him--and with you--in the coming months.

Sincerely,

A handwritten signature in dark ink, which appears to read 'Laurie Landeau, M.D.'.

Laurie Landeau

Chair, Chemical Heritage Foundation Board of Directors

Attachment 2: Minutes of the Most Recent Heritage Council Meeting:



Chemical Heritage Foundation
LIBRARY • MUSEUM • CENTER FOR SCHOLARS

Minutes of the Twenty-Eighth Heritage Council Meeting Held at Chemical Heritage Foundation in Philadelphia on

April 4, 2013

These notes summarize the discussions, decisions, and action items made during the twenty-eighth Heritage Council meeting on April 4, 2013 and were prepared by Bob Kenworthy of CHF. The meeting was held from 10:30 am – 5:30 pm as part of the combined Spring Governance Meeting and Heritage Day events.

MEETING ATTENDEES:

Affiliate Representatives/Members-at-Large/Observers:

Gary D. Anderson – Alpha Chi Sigma Fraternity
Thomas Archibald – AIChE
Kathryn R. Bullock – Electrochemical Society
Mark Cesa – International Union of Pure and Applied Chemistry (IUPAC)
Edward W. Cook – Chemists' Club
Stuart Churchill – Member-at-Large
Marc D. Donohue – Council for Chemical Research
Roger A. Egolf – Division of the History of Chemistry of the American Chemical Society (HIST)
Ernest R. Gilmont – Société de Chimie Industrielle
Michael A. Grayson – Vice-chair, American Society for Mass Spectrometry
W. Richard Howe – Member-at-Large
David M. Manuta – American Institute of Chemists (AIC)
Gary D. Patterson – Member-at-Large
Joseph F. Pilaro – Member-at-Large
Jeffrey I. Seeman, Chair – Member-at-Large
John B. Sharkey – American Chemical Society (ACS)
T. Kevin Swift – American Chemistry Council
Barry L. Tarmy – American Institute of Chemical Engineers (AIChE)
David Trimble – Society for Applied Spectroscopy

Guests

Robert Anderson – Board of Directors, John Chen – Board of Directors, Sheldon Thompson – Former Board of Directors, Matt Savelli – CHF Fellow, Adelheid Voskuhl – CHF Fellow.

Chemical Heritage Foundation Staff:

Thomas Tritton, Carin Berkowitz, Ron Brashear, Kevin Cavanaugh, Shelley Geehr, Sarah Reisert, Jody Roberts, and Bob Kenworthy.

**Twenty-Eighth Meeting of the Heritage Council
of the Chemical Heritage Foundation
April 4, 2013
Agenda**

The specific purpose of the day is to provide an opportunity for CHF staff and Heritage Council members to exchange ideas and insights regarding matters of strategic importance to CHF, the affiliates, and a number of broader communities. Additionally, this meeting will provide an opportunity to identify and describe these broader communities of interest.

| | |
|------------|---|
| 10:30 a.m. | Welcome |
| | Approval of October 2012 Meeting Minutes |
| 10:35 a.m. | Chair's Review of HC's past, current and future meeting agenda |
| 10:45 a.m. | Round Table Introduction and General Reports |
| | Bolton Society |
| | Joseph Priestley Society |
| | Instrument and Artifacts Committee |
| | Membership Committee |
| | Nominating Committee |
| 11:00 a.m. | A Message from the President (Tom Tritton) |
| | Outcome: The proposed theme of these remarks would be the identification of communities served and to be served by CHF. |
| 1120 a.m. | Plenary session: Programmatic Relationships Between Affiliates and CHF. |
| | Outcome: HC members will have the opportunity to engage CHF staff members regarding their perspective on how CHF can work with their organization to accomplish better understanding by and outreach to their members. Emphasis will be placed on CHF's unique role and the Affiliates' most pressing issues. |
| 12:00 noon | Lunch |
| 1:30 p.m. | Meet a CHF staffer: Kevin Cavanaugh, Vice President of Finance and Administration/CFO |
| | Outcome: Affiliates will learn who Kevin Cavanaugh is, what his job entails, and what he feels are his and CHF's highest priorities. |
| 1:50p.m. | Plenary session: Programmatic Relationships Among Broader Communities, Affiliates, and CHF. |
| | Outcome: HC members will have the opportunity to engage CHF staff members regarding their perspective on how CHF can work with their organization to meet the needs of broader communities of importance. Emphasis will be placed on CHF's unique role and the community's most pressing issues. |
| 2:30 p.m. | Workshop Sessions: In-depth discussions of HC members with representatives of CHF's major programs (Collections, BCHOC, CCHP, and the REI). |
| | Outcome: Affiliates and CHF leaders of these programs will review how each program contributes to CHF's mission and the Affiliates' needs. |
| 3:10 p.m. | Workshop Session reports to the entire HC. |
| 3:30 p.m. | Break |
| 3:45 p.m. | Beckman Center for the History of Chemistry scholar presentation: |
| | Adelheid Voskuhl |
| 4:15 p.m. | Beckman Center for the History of Chemistry scholar presentation: |
| | Mat Savelli |
| | Outcome: Affiliates will have met a number of CHF's current Beckman Center for the History of Chemistry scholars. Affiliates will have an understanding of the scholarship and value of the Beckman Center program. |
| 4:45 p.m. | Other Business, Meeting Review, Plan for the fall 2013 HC Meeting, and Adjournment |

Welcome and Opening Remarks

Chair, Jeffrey Seeman, welcomed all to the meeting and asked the members present to introduce themselves. Following those introductions, Jeff outlined the meeting objectives and the rationale for organizing this meeting in the way it is.

Approval of Minutes

The minutes from the October 11, 2012 meeting were approved unanimously.

General Reports

Bolton Society

Gary Patterson reported on the Bolton Society meeting from earlier in the day. He reported that the Collectors Showcase included an extensive presentation by Ron Smeltzer on the illustrator E. Wormser. Other important things of interest to the Heritage Council include:

- 1.) Oral Histories: Herb Pratt's Oral history is now at CHF. David Stockman's OH will be finalized soon. The next oral history subject will be Arnold Thackray who has been asked and has accepted.
- 2.) The Bolton symposia at the ACS Indianapolis meeting will consist of:
 - a.) What's your number: A Centennial Remembrance of H.G.J. Moseley, organized by Gary Patterson, and
 - b.) Historical beginnings of mass spectrometry, joint with American Society for Mass Spectrometry, Mike Grayson and Gary Patterson, organizers.
- 3.) Other happenings of importance to CHF:
 - a.) The Grollier Club exhibit on 32 women in Science: Sept. 18–Nov. 23, 2013, curated by Ronald Smeltzer.
 - b.) Joint Society for the History of Alchemy and Chemistry/Bolton Society meeting in London November 9,11,12, 2013. Monday at Cambridge and Tuesday in Oxford. Robert Anderson and Gary Patterson organizers.

Joseph Priestley Society

Bob Kenworthy gave the Joseph Priestley Society report (also provided in writing in the pre-meeting material) in the absence of David Alcorn and Wayne Tamarelli. Bob noted the program schedule for the rest of 2013 and the spring of 2014. He encouraged any who could, to attend JPS luncheons.

Instrument and Artifact Committee (HCIAC)

Mike Grayson reported on the meeting of the HCIAC earlier in the day. He noted the high level of activity at PITTCON in Philadelphia earlier this year. Several CHF instruments were displayed and the coordination between CHF and PITTCON was high. There was a high amount of visitation to both the convention center exhibit and to the CHF museum.

Mike also reported on using the MonkeyBook in the CHF museum to feature instrumentation manuals and supplementary information and on the development of a Toursphere App (not yet ready to launch) for use on iPads and iPhones. Further, he noted that the HCIAC held a lively discussion of possible areas on which to focus collecting efforts in terms of instrumentation and artifacts.

Nominating Committee

There was no report from the Nominating Committee

Membership Committee

There was no report from the Nominating Committee

Specific Reports

I. President's Report (Tom Tritton)

Tom Tritton addressed the Heritage Council on the subject of how communities are served by CHF. Tom identified two communities served as 1.) the scholarly community and 2.) the general

public. He outlined all the elements of programming which are directed to the scholarly and research community

He then broke down the general public into two parts differentiated as the technical public and the general public. In the area of general audiences, he presented the programmatic elements of First Fridays, Science on Tap, the Museum programming, lectures and films, as well as CHF involvement in the Philadelphia Science Festival.

For the technical community, Tom outlined the Innovation Day, the Awards Program, and noted the position of the Heritage Council as access to the technical communities represented by the affiliate organizations. He then opened the floor to questions and comments.

There ensued an interchange of comments about the future of CHF as it relates to program decisions, financial condition, and overall direction of CHF.

II. Plenary session: Programmatic Relationships Between Affiliates and CHF.

The discussion of this session primarily and spontaneously revolved around the distribution of Chemical Heritage magazine as a tool for increasing awareness of CHF among the members of affiliate organizations and the principles and practices of archiving. With respect to magazine distribution, it was generally agreed that *Chemical Heritage* is a strong asset of CHF and should be given the broadest possible distribution. It was pointed out that one of the benefits of affiliation with CHF is the free subscription to *Chemical Heritage* for officers of the affiliate organization. It was further noted that the requests for donation included in each issue should be continued.

On the matter of archiving, John Sharkey commented on how much he had learned from CHF on what to archive and how to archive it during his tenure as archivist for the New York Section of ACS and now as archivist for HIST. Ron Brashear pointed out that CHF will provide guidance and advice to affiliates who are trying to archive their history. When asked if the Heritage Council could receive a practicum on archiving, Ron responded that he and his staff would be happy to do that. Further, every Heritage Council member present responded that at the time of a future Heritage Council meeting, they would be willing to come to Philadelphia a day early for a tutorial or practicum on archiving. Ron Brashier was supportive of that possibility.

There was additional questioning about the funding of archiving activities at CHF such as for the IUPAC archive and the Dow Chemical Company archive. Ron Brashear responded that the Othmer endowment pays for most of these activities and that his organization is currently reviewing how best to fund additional archiving activities. Additional requests for archiving will be better received if accompanied with money to fund the activity. Ron Brashear concluded by pointing out that his current staff is mostly consumed in responsive work today rather than in designing and creating desired archives.

III. Meet a CHF staffer: Kevin Cavanaugh, Vice President of Finance and Administration/CFO

Immediately following lunch, Kevin Cavanaugh joined the meeting and gave the Heritage Council a presentation of his professional background. He talked about both his industrial and his not-for-profit experiences as well as some insight as to what he perceives are his objectives as CHF's CFO.

IV. Plenary session: Programmatic Relationships Among Broader Communities, Affiliates, and CHF.

This afternoon plenary session picked up where the morning session left off with the discussion ranging broadly among topics. The question was raised about advocacy for history within an affiliate's organization and how history is being brought to that organization. Further, the question of what makes a Heritage Council representative a better advocate within their organization was raised.

Each member of the Heritage Council, in turn, then told a personal story about his or her connection to CHF and what was important about that connection. Out of this exercise came the following ideas for progress in advancing the work and mission of CHF and its affiliates:

- Strong consideration should be given to adding affiliates who are engaged in the history of science as CHF is. Those that should be considered are The Society for the History of Alchemy and Chemistry (SHAC), The History of Science Society (HSS), The British Society for the History of Science (BSHS), The Canadian Society for the History and Philosophy of Science (CSHPS) and perhaps others.
- Closer coordination of awards and fellowship between the ACS and CHF should be considered.
- Public perception of words matters and consideration should be given to presenting the history of chemicals (not chemistry) to the betterment of society.
- Government funded projects are desirable to several affiliates as well as CHF. The Council for Chemical Research (Marc Donohue), the American Chemistry Council (Kevin Swift) and CHF (Jody Roberts) will form a small consortium for proposing projects that excite government funders.
- IUPAC gets projects that need chemical history and, therefore, have a natural link with CHF for conducting them.
- The question of: "Will CHF consider using people who are not on staff to do CHF work?" was raised and the answer was, "Yes".
- It was suggested that CHF do more in the area of industrial or corporate histories. The book *Science & Corporate Strategy: DuPont R&D 1902-1980* by David A. Hounshell and John Kenly Smith, Jr. was given as an example.
- Along the same lines, it was suggested that studying the involvement of the financial industry [Banks, Investment Firms, Stock Analysts, etc] in the chemical industry might be fruitful.
- It was suggested that, in order to enhance CHF's reputation, those who do significant studies at CHF be required to post on the web at least an essay on the subject of their studies.

V. Workshop Session and Report

The designed workshop session did not occur due to the interactive nature of the plenaries, the size of the group, and time constraints.

VI. Beckman Center for the History of Chemistry (BCHOC) scholar presentations

In response to the Heritage Council member's expressed desire to continue to hear presentation from BCHOC scholars, two scholars presented their research in this meeting to the Heritage Council members. First, Adelheid Voskuhl presented *"Engineers' class struggle and the question of "technology" in German and American High Industrialism."* Then Matt Savelli presented *"Advertising Psychopharmaceuticals 1953–2013: Evolution, Questions, and Controversies."* Both presentations were followed by spirited questioning and discussion.

VII. Meeting Review, Other Business, Plan for the Fall 2013 HC Meeting and Adjournment

Due to time constraints, this section of the meeting was condensed into a brief statement that the meeting was valuable and that there was no other business to consider.

Planned Dates for Future Heritage Council meetings are:

1. Thursday, October 10, 2013
2. Thursday, April 3, 2014

Heritage Council of the Chemical Heritage Foundation Mission Statement

The Heritage Council represents the broad community drawn from chemistry, chemical engineering and molecular sciences interested in chemical heritage. The Council:

- Supports and counsels the Chemical Heritage Foundation on its mission and ways to accomplish it;
- Provides and enhances communication and collaboration between CHF and its Affiliated Organizations;
- Encourages and coordinates volunteer activities to augment CHF staff in carrying out the work of CHF; and
- Provides networking opportunities and discussion forums for key individuals in academe, government, and industry who are interested in the history, progress and future of the chemical and molecular sciences and related technologies.

Adopted: 3 April 2008

Report from Tech Partners Marketing to SAS Executive Committee

Bill Cunningham, Advertising Sales, August 2013

It has been a challenging year with the transition of Advertising Sales away from Allen Press to Technology Partners Marketing (TPM). We will discuss a few of those issues later, but it is with great pride that we report 2013 is shaping up to be good year for *Applied Spectroscopy* advertising sales. Last year we saw overall ad sales ending just under \$270K in ad revenues, with the society receiving just under \$200K.

Finishing up 2013, we see steady interest from the market and can report four new advertisers this year, so persistence is paying off. *Applied Spectroscopy* is still seen as a good vehicle for our ad clients, but as circulation drops it's important we either do something to increase circ or look at alternatives that can bring in much needed revenue.

To reiterate what was reported in the spring, we strongly recommend the following:

- **A new reader survey conducted to determine:**
 - **Key platforms of members and subscribers**
 - **Changes in the market since '07, the year of our last survey (see attached)**
 - **Size of budgets controlled by readers**
 - **Vertical markets covered**
- **Implementation of the eBook format for AS**
 - **New Corporate Sponsor levels - *implemented***
 - **Additional ad placement**
 - **Revenue through Hotlink charges**
- **Implementation of an eNewsletter template**
- **The new Green eOpen version of the journal (finding sponsor/s)**
- **A page on the website devoted to “What’s New” (in addition to the existing page on Ingenta)**

These steps will position the Society competitively for future growth and demonstrate to existing and prospective advertisers a proactive stance as we adapt to the changing needs of the market.

Below is a chart of ad sales for the past three years, including ads contracted thus far for 2013 (*in italics*):

| | 2011 | 2012 | 2013 | 3yr Av | % change |
|--------------|------------------|------------------|-------------------------|-------------------------|-----------------|
| Q1 | \$63,597 | \$67,255 | \$63,242 | \$64,698 | -2% |
| Q2 | \$71,261 | \$62,320 | \$61,988 | \$65,190 | -5% |
| Q3 | \$63,361 | \$65,733 | \$66,843 | \$65,312 | +2.5% |
| Q4 | \$72,354 | \$69,076 | <i>\$61,354</i> | \$67,595 | -9% |
| Total | \$270,573 | \$264,384 | <i>\$256,998</i> | <i>\$263,985</i> | -2% |

As you can see we have brought back revenues almost to 2012 levels, and overall we are only 2% off the three-year average, so we are feeling encouraged. Also, the system we have in place with the Editorial Office and the main office accounting seems to be working well with debt running quite low.

While the numbers for 2013 are good, the final outcome will depend on how we close the last two issues and renewals of our advertisers going into 2014. The marketing has been paying off and we have four new advertisers this year.

Below is a list of advertisers for 2011, 2012, and 2013 (as of October 2013 issue):

| 2011 Advertisers | 2012 Advertisers | 2013 Advertisers (so far) |
|-------------------------|-------------------------|----------------------------------|
| Agilent | Agilent | Advantest |
| Amptek | Amptek | Amptek |
| Andor Technology | Andor Technology | Andor Technology |
| B&W Tek | B&W Tek | Applied Spectra |
| BaySpec | BaySpec | B&W Tek (increase) |
| BioTools | BioTools | BaySpec |
| Bruker | Bruker | Bruker |
| CDI Pharma | Energetiq | Enwave |
| Cobalt Light | Enwave | FDM |
| Enwave | FDM | Hellma |
| Horiba | Horiba | Horiba |
| Fibre Photonics | Kaiser | ICL |
| Hellma | Hellma | Kaiser |
| Horiba | McCarthy Scientific | McPherson |
| Infrared Analysis | McPherson | Ocean Optics |
| ICL | Ocean Optics | Optigrate |
| Kaiser | Ondax | Pike Technologies |
| Laser World | Pike Technologies | Remspec |
| McCarthy Scientific | Princeton | Princeton |
| McPherson | Remspec | Perkin Elmer |
| Ocean Optics | Renishaw | Remspec |
| Ondax | Shimadzu | Renishaw |
| Perkin Elmer | Thermo Fisher | Shimadzu |
| Pike | Avantes | StellarNet |
| Princeton Inst. | WiTec | WiTec |
| Remspec | Princeton Inst. | Avantes |
| Renishaw | StellarNet | StellarNet |
| Shimadzu | Starna Cells | Thermo Fisher |

As mentioned earlier, we have faced some challenges with the Allen Press production process that are noteworthy to mention again.

In February 2013 Kelly Calohan (Account Manager, Allen Press) was removed from *Applied Spectroscopy* and replaced by Trisha Klosterman. Trisha tries hard but lacks experience in managing a monthly journal of this size. Also, mistakes have been made in several of the issues with ads being misplaced, not placed at all, or sized improperly. All of this has resulted in us having to make apologies, refund charges, and/or give make goods to pay for those mistakes. On the surface Allen Press will advocate customer service is part of their mission statement, but from our vantage, with these continued mistakes and late mailings, the current production team is either incompetent

or poorly managed. As an outside ad sales agent, TPM was instructed create a new workflow, which involved cutting and pasting all the “A” pages together and placing all the ads and page numbers. Then we annotate our layout with explicit instructions, scan all the pages into one large pdf and upload it to the ftp site. Even after doing this and being very explicit, mistakes continue.

Another change we faced is that we no longer see a proof through the Allen Press Insite System. They have said we will not have access to this feature since we are no longer a full-service client. This action has caused additional production time, introduction of errors that TPM can't correct, and unnecessary stress each month for both TPM and Kristin. Kristin, to her credit, soldiers on and has had to deal with all of this as AP refuses point blank to deal directly with TPM.

One additional item that is worth mentioning is that earlier this year we had recommended in a detailed report to the EC in May that we move the production away from Allen Press. We still recommend SAS seriously consider this despite the obvious stress it may cause.

All of these issues have affected our sales and, if left unchecked, will result in ad clients leaving *Applied Spectroscopy*. Also there was supposed to be a new eNewsletter launched this year, which has also been delayed. The eNewsletter should be a steady source of income and although we had one-and-a-half steady advertisers, without additional incentives it is doubtful those current advertisers will renew at the end of this year.

In conclusion, although we see continued challenges on the horizon, we look forward to SCIX this year and are committed to helping the Society to embark on this journey into the digital age. As you already know, the model for scientific self-published journals is in flux. However *Applied Spectroscopy* is in a good position to move forward and take advantage of the good will of its ad vendors and corporate sponsors. Our goal will continue to be to assist *Applied Spectroscopy* as it moves forward as an advocate for technological change, especially in the delivery of the science to its readers.

2013 SAS Tellers Committee Report

The SAS Tellers committee is pleased to provide you with the results from the recent election. The SAS Tellers committee consists of: Katherine Cilwa, Karen Esmonde-White (chair) and Mary Lewis. The committee met on 8 September 2013 to tally the paper ballots and verify the results of the electronic ballots. On the ballot, SAS members were asked to elect the 2014 SAS Executive Committee, At-Large Governing Board Delegates and proposed amendments to the SAS Constitution.

Official Winners

President-Elect Diane Parry

Treasurer Bruce Chase

Secretary Gloria Story

At-Large Governing Board Members: Linda Kidder, Richard Crocombe, Nancy Jestel, Rina Dukor, Mary Miller.

The Adoption of Constitutional Changes NOT including Board Governance Change and Adoption of Board Governance Constitutional Changes were approved.