

# The SAS Spectrum Newsletter

The Newsletter of the Society for Applied Spectroscopy

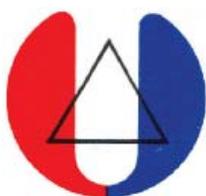


## April/May, 2007

### SAS EMPLOYMENT SERVICE, FACSS 2007 IN MEMPHIS

#### SAS Has A New Employment Service

The new SAS Employment Service is available at <http://careers.s-a-s.org>. This website was constructed to help connect our members with new employment opportunities. Employers and recruiters have access to the resumes of well-qualified candidates.



**FACSS 2007**  
**34th FACSS**  
**Memphis Cook Convention Center**  
**Memphis, TN**  
**October 14-18, 2007**

The SAS National Meeting this year will be held at the Memphis Cook Convention Center. Each day will begin with plenary presentations. Contributed papers are welcomed in all areas of analytical chemistry and spectroscopy.

**Complete details at <http://facss.org>.**

#### Call for SAS Graduate Student Award Nominations

Each year the Society for Applied Spectroscopy accepts nominations for its Graduate Student award. This award is given to a graduate student in recognition of outstanding research in the area of spectroscopy. Any full-time graduate student doing research in the field of spectroscopy is eligible for the award. The award consists of a plaque or scroll and an expense-paid trip to FACSS in Memphis this Fall to accept the award. Please include a letter of nomination with back-up information and a copy of the student's CV. Send all materials to SAS office or to [office@s-a-s.org](mailto:office@s-a-s.org) by May 1, 2007.

#### SAS Student Representative Lacey Averett (left) hosted a Student Mixer at Pittcon 2007 in Chicago.



#### April Historical Events In Spectroscopy Leopold May, Catholic University



**April 10, 1900.** Arnold O. Beckman, who invented the Beckman spectrophotometer DU with H. Cary, was born on this day. He invented the first commercially successful electronic pH meter and founded Beckman Instruments in 1934.

#### The Coblenz Society Announces its First Solicitation of Nominations for THE CRAVER AWARD.

The Coblenz Society has created an award to recognize young individuals who have made significant contributions in applied analytical vibrational spectroscopy. The Craver Award is presented annually to an outstanding young molecular spectroscopist whose efforts are in the area of applied analytical vibrational spectroscopy. The candidate must be under the age of 45 on January 1st of the year of the award. The work may include any aspect of infrared (NIR, MIR, or Far), and/or THz, and/or Raman spectroscopy in applied analytical vibrational spectroscopy. The nominees may come from an academic, government lab, or industrial background.

The award carries with it a \$2,000 honorarium, a plaque, plus a \$500 travel allowance. Files of candidates will be kept active until the age of eligibility is exceeded. Annual updates of candidate files are encouraged and will be solicited from the nomination source by the Award's committee chair.

Nominations for 2007 and 2008 must include a detailed description of the nominee's accomplishments, a curriculum vitae or resume, and minimum of three supporting letters. Nominations for 2007 close on March 31st, 2007; 2008 nominations close on July 31, 2007.

This award will be presented annually at the FACSS meeting. The awardee will be offered a 25-minute plenary lecture to the assembled FACSS Conference. Further, a separate half-day award symposium honoring the award recipient and highlighting the interests of the awardee will also occur at the same conference.

PLEASE SEND NOMINATION PACKAGES TO: John W. Hellgeth, Ph.D., Hewlett-Packard Company, 1000 NE Circle Blvd., MS 713A, Corvallis, OR 97330 or by email: [john.w.hellgeth@hp.com](mailto:john.w.hellgeth@hp.com)

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*Comments to [newsletter@s-a-s.org](mailto:newsletter@s-a-s.org)*

**PRESIDENT'S REPORT  
FEBRUARY 24<sup>TH</sup>, 2007  
EXECUTIVE COMMITTEE MEETING, CHICAGO, IL  
JAMES A. DE HASETH**

It is a great pleasure to serve the Society for Applied Spectroscopy once again. It is a very hard act to follow when Becky Dittmar has been the President, and I certainly look forward to working with her as she continues in her position as Immediate Past-President. It is also difficult to precede John Chalmers, who undoubtedly will use all his energy, skill, and talent to move the Society forward. I very much look forward to working with John over the next two years.

The Society, I believe, has made significant progress in the last few years. Bonnie Saylor has been invaluable as a fountain of knowledge and to provide the appropriate prod to make sure the volunteers live up to their duties and keep up with programs started before we were elected to our relatively short-term posts. This progress could not have been made without Bonnie's help and guidance. I also thank Barbara and Victor who have kept the Society running.

Some of the programs the Society has started in the last few years deserve special acknowledgement:

1. Joel Harris and Bonnie Saylor have spearheaded collaboration with OSA, to the mutual benefit of both societies. This collaboration has led to increased member benefits and certainly work is ongoing to expand these benefits.
2. Particularly in the last two years the Society has worked to assure that FACSS is truly a Federation of Analytical Chemistry and Spectroscopy Societies, rather than an independent organization. Becky Dittmar has been instrumental in developing stronger ties between SAS and FACSS, and she has volunteered and been elected to offices in the FACSS organization. This year we have at least three candidates for offices in FACSS who are very strong SAS members. We will stay engaged with FACSS and we hope to incorporate more of the federated societies into the FACSS organization.
3. Joel Harris and Paul Farnsworth continue to do an exemplary job with the Journal. It becomes better every year and I believe it is the premiere journal in all areas of spectroscopy.
4. At the FACSS meeting last September we saw a jump in student membership, due primarily to sponsorship of student memberships by several spectroscopy instrument vendors. The student section has been very active and the student representatives in the last few years have relayed valuable and insightful information to the Executive Committee. Clearly this is the fastest growing segment of the Society. The task for all of us is to convince these young spectroscopists to remain members.
5. The Society has promoted and organized technical sessions at Pittcon and FACSS. These have been very well received and we should work to assure that these sessions continue. If our collaborative efforts continue to grow with OSA, as we expect they will, we need to explore SAS organized sessions at OSA meetings.

6. There has been an effort to increase Society visibility through a number of venues, and this task has been undertaken by the Publications Committee. Curt Marcott has been extremely involved in this committee and has provided excellent leadership. One area that has been looked at is the Society website. We all very much appreciate and respect the work Stephen Bialkowski has put into that project. His work has certainly raised the visibility of the Society and we are very grateful for his contribution. All of us fervently hope he will continue in his capacity as Society webmaster. It was decided at the FACSS meeting that a sub-committee of the Publications Committee was to be formed to look at expansion and possible redesign of the website. This committee has undertaken this task and will present a report at this meeting and to the Publications Committee.

Our greatest challenge remains the retention of current members to the Society and attraction of new members. This also includes bringing new volunteers to Society offices and committees as well as assuring Society presence, through its members, in the FACSS organization.

I very much appreciate everyone's efforts on the Executive Committee and in all the Committees. The Society could not be successful without you.

I look forward to working with everyone during the remainder of the year and I am confident we can make it successful.

**SECRETARY'S REPORT  
DAVID C. LANKIN  
EXECUTIVE COMMITTEE AND MEETING AGENDA  
SUNDAY, SEPTEMBER 24, 2006  
COMTEMPORARY RESORT – LAKE BUENAVISTA, FLORIDA  
BOARDROOM  
Breakfast**

**I. Call To Order** Rebecca Dittmar  
The meeting of Executive Committee was called to order at 8:20 a.m.

**II. Roll Call** David Lankin

President – Rebecca Dittmar Present  
Past-President – Cynthia Mahan Not Present  
President-Elect – James de Haseth Present  
Treasurer – Chris Hassell Present  
Secretary - David Lankin Present  
Executive Director – Bonnie Saylor Present  
Newsletter Editor – David Butcher Present  
Editor-in-Chief - Joel Harris Present  
Web Editor - Steve Bialkowski Not Present  
Membership Coordinator – Paige Eagan-Oxley Not Present  
Present  
Membership Education Coordinator – Gloria Story Present  
Student Representative – Lacey Averett Present  
Parliamentarian – Brandye Smith-Goettler Present  
A quorum was present.

**III. FACSS Site Selection Presentation**

Mike Carrabba discussed future FACSS Conference Sites, specifically the site for 2009. Four sites were identified at the FACSS LRP Committee Meeting and are under active consideration for 2009 and they are: Louisville, KY (Galt House and Marriott), Schaumburg, IL (Renaissance), Kansas City, MO (Hyatt and Westin) and Lake Buena Vista, FL (Coronado Springs). Among the concerns expressed by the members of the SAS-EC were the hotel room costs, cost of food, costs in general for students. Based on the discussion it was concluded that the SAS representatives to the FACSS Governing Board, which will meet on Thursday Sept. 29, 2006, would Support selection of the Louisville, KY site for the 2009 FACSS Conference.

#### **IV. Approval of Minutes from March 11, 2006 Executive Committee meeting**

It was moved by Jim de Haseth and seconded by Chris Hassell that the Minutes from the March 11, 2006 Executive Committee be accepted in Revised form. The motion carried.

#### **V. Reports**

##### **A. President**

Rebecca Dittmar briefly reviewed her report. There were five critical activities that are on-going that need to be advanced: 1) Collaboration established between SAS and OSA; 2) The relationship with FACSS must be continued; 3) Continue to use the technical sections to organize sessions at Pittcon and FACSS; 4) Bring in new volunteers for SAS/FACSS committees; and 5) Working through the website subcommittee, update and revamp the SAS website.

##### **B. Secretary**

The Minutes of the last Executive Committee meeting of March 11, 2006 constituted the Secretary's report.

##### **C. Treasurer Report**

Chris Hassell briefly summarized his report. The Society is on budget for 2006. He briefly mentioned the proposed budget for 2007, which was deferred to New Business.

##### **D. Executive Director**

Bonnie Saylor summarized her report. We have again a net loss in membership (32), but not as many as last year (84).

##### **E. Journal Editor**

Joel Harris summarized his report. We will pick up ~90 library subscriptions through the distribution of the Journal through OSA. The Journal had 4 Focal Point Articles this year but 6 are planned for 2007. He indicated that efforts are ongoing to hold down publication costs of the Journal. Everything is done electronically so that publication of an article can occur in a 2-month timeframe. *Applied Spectroscopy* is positioned ahead of *Reviews of Scientific Instrumentation* in impact factor.

##### **F. Newsletter Editor**

David Butcher briefly reviewed his report.

##### **G. Membership Coordinator**

Paige Eagan-Oxley has resigned as Membership Coordinator due to Prior commitments. There are 2-years left on her term.

**H. Membership Education Coordinator.** Gloria Story briefly reviewed her report. She indicated that is difficult to convince

managers (in industry) of the value and importance of membership in professional societies. This mindset must start with professors in universities, who serve as the graduate advisors for students who will ultimately go into industry.

##### **I. Web Editor**

Steve Bialkowski was not present so Rebecca Dittmar briefly summarized his report. Steve was injured in a biking accident and required surgery.

##### **J. Student Representative**

Lacey Averett summarized her report. There were social activities, sponsored by SAS, that drew about 20 students at Pittcon 2006. Similar activities are planned for Pittcon 2007 in Chicago.

#### **Approval of Executive Committee Reports**

It was moved, by Jim de Haseth and seconded by Chris Hassell, to approve the Executive Committee Reports. The motion carried and the reports were approved.

#### **VI. National SAS Committee Reports**

##### **A. Awards**

##### **B Constitution and Bylaws**

##### **C. Local and Technical Section Affairs**

##### **D. Nominating**

**E. Publications** Rebecca Dittmar summarized Curt Marcott's report.

##### **F. Publicity**

Dave Butcher, as a member of the Publicity Committee, summarized the report. The Committee will be meeting Wednesday morning for a working breakfast.

##### **G Tour Speaker**

Joe Sneddon will serve as the Tour Speaker Program Coordinator for 2007. John Chalmers (President-Elect, SAS) recommended Peter Griffiths To serve as an International Tour Speaker (European).

##### **H. Meggers Award** No Report

##### **I. Strock Award**

Paul Farnsworth (Brigham Young University) was the Strock Award winner and will present a talk at this FACSS meeting.

##### **J. Lippincott Award**

Professor Hai-Lung Dai, Hirshmann-Makineni Professor of Chemistry at the University of Pennsylvania, the recipient of the 2006 Lippincott Award. The award will be presented at an OSA meeting in

##### **K. Tellers**

The results of the SAS National Election were reported. John Chalmers was elected President-Elect and Timothy Keiderling was elected Secretary (3-year term).

##### **L. Fellows**

The SAS Fellows Committee has recommended to the EC the following Individuals, for Fellows status: Bonner Denton (Univ. of Arizona), Joel Harris (Univ. of Utah), and Nicolo Omenetto (Univ. of Florida).

## **M. Long-Range Planning**

### **Approval of SAS National Committee Reports**

It was moved by Chris Hassell and seconded by Jim de Haseth to approve the National SAS Committee Reports. The motion carried.

9:45 a.m. **VII. Delegate Reports**

#### **A. FACSS**

Rebecca Dittmar summarized the report. The report represented notes taken at the FACSS Governing Board Meeting of 03/14/2006 at Pittcon. We will need nominees for FACSS-GB committee positions. These nominees need to be identified and communicated to Bonnie Saylor before the next meeting of the FACSS-GB in March 2007.

#### **B. Chemical Heritage**

Dave Trimble will be the new SAS representative to the Chemical Heritage Foundation.

### **Approval of Delegate Reports**

It was moved by Chris Hassell and seconded by Jim de Haseth, to approve the SAS Delegate Reports. The motion carried.

## **VIII. Unfinished Business**

### **A. Applied Spec Ad Updates**

Bill Cunningham (Supervisor of Ad Accounts for Allen Press) and Ladonna Clark (the new Allen Press Ad Account Representative to SAS) were introduced. Bill Cunningham indicated that he has >23 years experience in the publishing industry and one of his goals is to reduce the turnover of Ad Representatives at Allen Press. He indicated that for the first 10 months of this year the ad revenues were ~128 k. A projected revenue for 2006 is ~141 k. He is going to look at integrated media (web + printed copy). There would be better communication with Allen Press & SAS leadership.

Ladonna Clark has ~3years in the printing industry. Her job will be to secure additional advertisement for the SAS Journal. Bill Cunningham recommended initially coming in with a flat rate quote for integrated media until additional statistics are available regarding the frequency of "hits" to the website can be measured. Paul Farnsworth indicated that the necessary information may be available but he has not had access to it in the past. He would look into getting the desired information.

The Allen Press representatives will attend the Publications Committee meeting to be held during the FACSS meeting. Joel Harris suggested that SAS sign a 1-year contract with Allen Press to work on the integrated media approach, let them run with it and see how they do.

### **B. Online Journal**

Paul Farnsworth reviewed his report which included download and pay-per-view statistics from the Ingenta website. The trend that is emerging is that people prefer electronic access to paper access, especially the pay-per-view. OSA will be included in the online database. The online statistics are not as reliable today as they were a year ago. He will try to get additional data relating to frequency of "hits" to the website.

## **C. FACSS Issues**

The principal issues associated with FACSS are: 1) meeting registration fees –issues around the distribution of monies to member societies has been tabled for now.

2) FACSS positions – nominees needed ASAP

3) Site-selection – locations and their associated costs continue to be a critical problem.

4) Meeting topics – integrating timely topics that are likely to be of interest to potential meeting attendees.

Jim de Haseth wanted to put to rest the possibility that FACSS and EAS might merge. It is definitely not likely to happen. Dave Lankin noted that the EAS charter is to conduct their meeting in the greater New York City area and would therefore not likely migrate to areas outside of the greater New York City area.

FACSS + OSA might be a fit, since there would be similar topics (~10%) overlap. Joel Harris commented that it might be better to coordinate a topical meeting rather than a national meeting. FACSS + ACS (?).

Paul Farnsworth asked for suggestions for changing the FACSS program format. There was discussion around scientific topics and the poster sessions. There was an indication that spectroelectrochemistry might be a topic of interest. There were no sessions on any electrochemistry at FACSS.

## **D. OSA Update**

Joel Harris presented an update of the OSA / SAS relationship. He is interested to see whether the OSA distribution of the SAS Journal will result in enhanced income for the Society. He also urged that the SAS leadership keep engaged with the OSA leadership. OSA would like to partner with SAS technical sections on topics for their meetings. There is a real opportunity for SAS. Also pursue joint SAS/OSA student chapters or form SAS student chapters using the OSA format.

## **E. Membership Issues**

SAS/JobTarget Proposal - Bonnie Saylor provided a copy of a proposal, from JobTarget, to provide an online Career services area on the SAS website at no charge to SAS. This would be a member benefit (free to members of SAS) online job posting. This would be managed and updated by JobTarget. It was felt that this would be good PR for SAS. Jim de Haseth moved and Chris Hassell seconded to also allow nonmembers to also take advantage of the Career Services provided by SAS/JobTarget for a fee that exceeds membership dues and to move forward with the JobTarget proposal. After some additional discussion, the motion passed.

FTIR / E-Course – Bonnie Saylor provided a proposal from Informa Learning, an e-learning provider, to provide e-learning activities for SAS members. After some discussion it was felt that the concept was OK but the specific course was not acceptable.

Membership Coordinator - As a result of the resignation of Paige Eagan-Oxley as Membership Coordinator, it was felt by EC that the Membership Coordinator position needed to be filled and that the Membership Education Coordinator function could be incorporated into other SAS activities. Tim Keiderling (Secretary-Elect, 2007 – 2009) suggested that the functions of the

Membership Education Coordinator be added to the charter of the Local Section and Technical Section Coordinator.

Glory Story, the present Membership Education Coordinator indicated a willingness to serve in the position of Membership Coordinator. As required by the SAS Constitution, Gloria Story resigned her position current position as Membership Education Coordinator. It was moved by Chris Hassell and seconded by Jim de Haseth to appoint Gloria Story Membership Coordinator, to serve out the remainder of the term of Paige Eagan-Oxley. The motion passed.

It was moved, by Jim de Haseth and seconded by Rebecca Dittmar, to allow the Membership Education Coordinator to go vacant for the present time. The motion carried.

It was moved by Chris Hassell and seconded by Jim de Haseth to add the position of Local Section and Technical Section Coordinator and delete (eliminate) the position Membership Education Coordinator from the Executive Committee. The motion carried.

Since the elimination of the Membership Education Coordinator position creation of the Local Section and Technical Section Coordinator, requires a change in the SAS Constitution, a Constitutional amendment will be drafted and voted on by the membership in the Summer of 2007.

#### F. Web Page

A web page sub-committee has been formed and some suggestions from EC discussions include:

- 1) Make the web page look more professional and more logical in order to find things.
- 2) Incorporate a members-only section with password-protected access.
- 3) Strategy – Define an outside web designer to work with Steve Bialkowski to make it happen. The only downside with outside web designers is that they “force” you to deal with them for website updating. Buy the designer, not the code! Need to put timelines for the process of updating of the website.

Other suggestions were:

- 1) Identify whether current ISP can do some (or all) of the website updating.
- 2) Identify a web designer who can update the “look and feel”.

#### Working Lunch

#### VIII. New Business

##### A. Budget Review and Approval

Chris Hassell reviewed the proposed 2007 SAS Budget. After some discussion it was moved, by Jim de Haseth and seconded by Rebecca Dittmar, to approve the proposed SAS Budget for 2007. The motion carried and the 2007 Budget was approved. The 2007 Budget approved by the EC will be presented to the SAS Governing Board for Approval.

##### B. Other New Business

Joel Harris suggested that the EC look at the OSA website for a model to set up SAS Student Chapters and have a proposal ready for the EC Meeting at Pittcon 2007.

Look at whether a Constitutional Amendment for Bylaws change might be necessary to implement SAS Student Chapters or joint SAS/OSA Joint Student Chapters using the OSA format. Doing this by email won't work.

#### Meeting Adjournment

It was moved, by Chris Hassell and seconded Jim de Haseth, to adjourn the meeting. The motion carried and the meeting was adjourned at 3:43 p.m.

#### TREASURER'S REPORT

##### CHRIS HASSELL

	Jan-Dec 2006	Budget	\$ Over Budget	% of Budget
<b>Income</b>				
4100 Education Programs	0	2,000	(2,000)	0.0
4230 Focal Point Book	216	1,000	(784)	21.6
4300 Member Dues	125,965	121,200	4765	103.9
4500 Journal Income	618,614	600,000	18,614	103.1
4800 Chapter Income	0	1,000	(1,000)	0.0
4830 General Contributions	4,765	3,700	1,065	128.8
4850 Investment Income	25,320	5,000	20,320	506.4
4900 Misc Income	2,507	2,000	507	125.4
<b>Total Income</b>	<b>777,387</b>	<b>735,900</b>	<b>41,487</b>	<b>105.6</b>
<b>Expense</b>				
6000 Salaries	142,976	138,000	4,976	103.6
6040 Payroll Taxes	10,987	11,000	(12.59)	99.9
6060 Personnel Benefits	427	4,500	(4073)	9.5
6100 Executive Comm	25,637	30,000	(4,363)	85.5
6150 Governing Board	1,616.57	1,500	116.57	107.8
6170 Membership Comm	0	200	(200)	0.0
6190 Other Committees	1,032	2,000	(968)	51.6
6200 Journal	415,220	405,000	10,220	102.5
6300 Newsletter	1,000	1,000	0	100.0
6330 Internet Services	4,032	2,000	2,032	201.6
6400 Member Services	14,258	13,000	1,258	109.7
6500 Member Education	0	2,000	(2000)	0.0
6600 Awards/Grants	39,538	18,000	21,538	219.7
6650 Sections	25,823	22,000	3,823	117.4
6700 Conferences	7,391	10,000	(2,609)	73.9
6730 Member Acquisition/Retenti	22,520	5,000	17,520	450.4

on				
6800 Society Office	76,447	78,000	(1,553)	98.0
6970 Fundraising	0	300	(300)	0
7000 Financing Expenses	5,249	3,400	1,849	154.4
7200 Depreciation	2,937	1,500	1,437	195.8
<b>Total Expense</b>	<b>797,091</b>	<b>748,400</b>	<b>48,691</b>	<b>106.5</b>
<b>Net Ordinary Income</b>	<b>(19,703)</b>	<b>(12,500)</b>	<b>(7,203)</b>	<b>157.6</b>
<b>Other Expense 9900 Chapter Distr.</b>	<b>(9,238)</b>	<b>(12,500)</b>	<b>3,262</b>	<b>73.9</b>
<b>Net Income</b>	<b>(10,465)</b>	<b>0</b>	<b>(19,465)</b>	<b>100 %</b>

**EXECUTIVE DIRECTOR'S REPORT  
FEBRUARY 2007  
BONNIE SAYLOR**

**Membership**

**Final 2006 Numbers:** 1850  
**Membership Breakdown** USA 1515 International 235  
**Total New Members for 2006** 208  
**Total Student Members** 184  
**Total Not Renewed for 2006** 283  
**Registered for Online Journal** 446  
**Total Enrolled in a Local Section** 993  
**Total Enrolled in a Technical Section** 943  
**Total Paid for Extra Section** 72

**Current 2007 Numbers:** 1227

(This time last year was 1464)

**Membership Breakdown**

USA 1079 International 148  
**Total New Members for 2007** 59  
**Total Student Members** 114  
**Total Not Renewed for 2007** 678  
**Registered for Online Journal** 350  
**Total Enrolled in a Local Section** 514  
**Total Enrolled in a Technical Section** 549  
**Total Paid for Extra Section** 73

**Subscriptions**

**Final 2006 Numbers**  
2006 724  
**Subscriber Breakdown** USA 561 International 163  
**Total New Subscribers for 2006** 30  
**Total Not Renewed for 2006** 73  
**Registered for Online Journal** 448  
**Current 2007 Numbers**  
2007 602  
**Subscriber Breakdown** USA 445 International 157  
This time last year our subscriber numbers were at 512  
**Total New Print Subscribers for 2007 SAS** 14  
**Total New Print Subscribers for 2007 from OSA** 10  
**Total New Online Subscribers from OSA** 60  
**Registered for Online Journal** 342  
**OSA 2007 Numbers** 198  
**2006 Subs switching to Infobase** 8  
**2006 Subs Switching to Print OSA** 98  
**OSA Print Subscribers** 108  
**Infobase Subscribers** 90  
**Infobase and Print Subs** 22 (6 SAS 16 OSA)

**Members and Subscribers**

Membership was down by only 19 members this year. This is the lowest decrease we have had in years. While the number of new members we received in 2006 was lower, the number of members we retained was higher. Our student membership stayed exactly the same with 184 in 2005 and 2006. Unfortunately, our 2007 numbers are below where we were this time in 2006. I am attributing this to the fact that we tried something new this year for renewals.

Instead of mailing first notices, we emailed them. This proved to be very unsuccessful as we have many more non-renewed members than usual after second notices. We have Inalink calling to get members back and many are requesting hard copy bills. This is an experiment we will not repeat!

Our subscriber numbers in 2006 were down by about 46 versus 2005. This is a 6% decrease. Hopefully our new arrangement with OSA will help us offset this decrease. We are currently almost 100 subscribers higher than we were this time in 2006. 602 vs. 512.

We have conducted several marketing campaigns already this year including a mailing to FACSS attendees, Winter Plasma Attendees, Coblenz Mailing list, Authors, and EAS attendees. We had a presence at the Winter Plasma conference in Turkey thanks to Ramon Barnes and the Plasma Conference in Italy thanks to Joe Caruso.

**Member Services**

Our new job site hosted by Job Target is up and running. We have 9 job seekers signed up so far and 6 employers. Stats are attached. When we get back from PITTCO I plan to do a major marketing initiative to companies to post their jobs on our site and I plan to continue reminding members of this important service.

**Finances**

Our audit is scheduled for the week of March 19. Our accountant, MaryAnne Ohlhoff, has done the preliminary financials for 2006 and it looks like we will be in the red by roughly \$10,000. We operated in the black for the past ten years, despite our declining numbers. Our auditors are continually amazed that we have been able to do this.

This past year, due to the increased costs associated with the SAS Wine and Cheese reception, the projection I had of being \$7,000 in the black at FACSS was negated completely. Member acquisition and retention costs were much higher than I budgeted for, but this was offset by the increase in investment revenue. Journal costs were also higher, but this was also offset by an increase over budget of journal income.

**JOURNAL EDITOR'S REPORT**

**JOEL M. HARRIS  
FEBRUARY 9, 2007**

*Applied Spectroscopy* has run smoothly since our meeting in October. Last year, we published 2 accelerated papers, 183 regular articles, 14 spectroscopic technique papers, 4 Notes, 1 Feature Article, and 4 Focal-Point articles. Our total page count was very close to the previous year. The return/rejection rate for *Applied Spectroscopy* remains competitive with other top quality journals, averaging ~36% last year, a significant increase from

27% the previous year. The journal is receiving more submissions through electronic submission, and many of these manuscripts are not suitable for consideration, due either to quality issues or to subject matter that would not be of interest to our readers. Comparisons with previous year statistics are included on the attached table. We are holding steady with the total number of printed pages and research articles, and the number of Focal Point articles has returned to four per year, thanks to the work of the Focal Point Editors, Ben Smith and Rina Dukor, and the help of the Editorial Board. We currently have commitments from ~14 authors to write Focal Point articles for the journal, although the delivery rate has been very slow and more encouragement will be needed to convert these commitments to papers in print. Suggestions for new topics and authors are always welcome.

The production costs for the journal are staying below budget thanks to continued aggressive management of manuscript quality, length, and color page costs, along with control of error costs in proofs, figures, and production, thanks to Rebecca Airmet. For the past year, Rebecca has provided format-marked manuscripts electronically to Allen Press including equations, so that the papers are typeset by Rebecca. This system is allowing a shorter time period between manuscript acceptance and print publication, currently only 2 months for regular articles in the journal. This speed puts *Applied Spectroscopy* in the category of a rapid-communication journal, even for our regular articles! Accelerated papers can appear in print within 5 weeks after acceptance. Allentrack, our new electronic manuscript submission, reviewing, and tracking system has been running very smoothly for our first full year. There have been very few complaints, and we have received a number of compliments from authors and reviewers alike. Our average reviewer response time (from accepting the review request to completing the review) is just 25 days. Some papers receive two reviews in less than a week.

Thanks to the efforts of the Meggers Committee chair, Doug Elmore, and his committee, the Meggers Award balloting was completed, and the 2006 award paper is "Infrared Kinetic/Structural Studies of Barrier Reformation in Intact Stratum Corneum Following Thermal Perturbation" by Ryan D. Pensack, Bozena B. Michniak, David J. Moore, Richard Mendelsohn. The paper appeared in the December 2006 issue of *Applied Spectroscopy* (Volume 60, Number 12, pages 1399-1404). As a follow-up to our initiative for developing cooperative publication arrangements with the Optical Society of America (such as bundling of our library subscriptions, addition of *Applied Spectroscopy* to OSA's Infobase of their journals), the OSA and SAS signed an agreement for journal sales partnering, pricing for a combination packages of OSA journals with *Applied Spectroscopy*, and posting of *Applied Spectroscopy* on OSA's InfoBase (web collection of all their journals). In the first month of InfoBase hosting of our content (January, 2007), there were 3015 full-article PDF downloads from *Applied Spectroscopy*. We are currently working on joint a membership agreement and expect to cooperate on joint student chapters, topical meetings, and other fun projects.

In July, Paul and I will have completed our tenth year as Editors of *Applied Spectroscopy*, and it is appropriate to examine our major accomplishments to date and develop strategic goals for the future of the journal. Below are the major achievements of the journal since 1997:

1. Launching of the on-line edition of *Applied Spectroscopy*, hosted by Catchword - Ingenta, with references linked to the original articles via CrossRef.
2. Successful inclusion of *Applied Spectroscopy* in the National Library of Medicine, Medline abstracts, a critical requirement for biospectroscopy and medical application articles.
3. Raising library subscription rates with little apparent impact on the number of libraries that subscribe to the journal, securing a stronger financial base for the Society with no increase in member dues in the past 7 years.
4. Scanning, digitizing (OCR), and web-hosting the entire archive of *Applied Spectroscopy*, securing the legacy of the journal's historical content into future.
5. Successful launching of an on-line article submission and review system, providing faster author and reviewer communications (shortened review times) and greater contributions from associate and international editors. When combined with on-line copy editing and mark-up, the time from article acceptance to print publication has been reduced from 6 months to 2 months, a time typical of rapid-publication journals.
6. Development of a joint publication relationship with the Optical Society of America, whereby *Applied Spectroscopy* is bundled with OSA journals for library subscriptions and also hosted on InfoBase, OSA's full-text searchable, on-line server.

Below is a list of goals for *Applied Spectroscopy* for the near future. Input on these goals and ideas is encouraged.

1. Develop an on-line only option (and pricing structure) for delivery of the journal to SAS members. This option is already available for international members.
2. E-mail the journal Table of Contents to all SAS members unless they 'opt-out'.
3. Make Ingenta sign-up automatic or more streamlined. The current sign-up is tedious, which discourages its use. A move to on-line journal delivery to members requires easy access.
4. Move supplementary material to Ingenta and encourage its use by authors.
5. Post preprints of accepted articles to Ingenta prior to print publication.
6. Promote the journal more effectively to new authors through communication of our time-to publication, impact factor, and journal scope. Expand the scope of the journal with Focal Point articles and thematic issues. Convert Focal Point article commitments to published papers. Options include providing an honorarium for invited Focal Point articles.
7. Plan for the SAS Anniversary celebration: perhaps organize a CD collection of Meggers papers and the most cited papers in the journal, given out to members at 2008 FACSS. Develop an anniversary logo on the journal cover next year.

#### APPLIED SPECTROSCOPY ANNUAL STATISTICS

	2002	2003	2004	2005	2006
Focal Point Articles	4	4	4	1	4
Accelerated Articles	4	7	2	2	2
Submitted Articles	208	190	190	178	183

Spectroscopic Techniques	6	11	6	7	14
Notes	16	22	15	11	4
Correspondence	2	2	2	0	2
Feature Articles	0	0	1	2	1
Total articles printed	240	236	220	201	210
Rejected manuscripts	60	59	35	50	63
Returned manuscripts	32	23	43	30	54
Total rejected and returned	92	82	78	80	117
Papers received for review	343	315	298	292	321
Total A-pages	343	364	362	308	344
Total manuscript pages	1662	1642	1536	1590	1526
Total printed pages	2005	2006	1898	1898	1870

**ONLINE JOURNAL REPORT, PITTCON 2007  
PAUL B. FARNSWORTH, EDITOR  
PREPARED FEBRUARY 23, 2007**

**Ingenta**

Downloads Activity on the Ingenta website is summarized in Fig. 1. I have included only full text downloads because those are the only reliable numbers available.

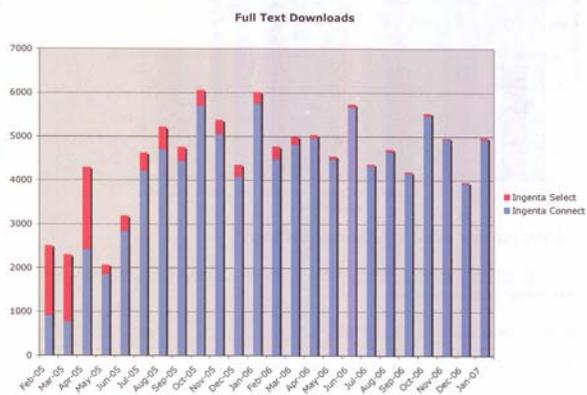


Fig. 1 Full text downloads from Ingenta for the past two years.

Our electronic material began to appear on OSA's infobase during the fourth quarter of 2006. We are already beginning to see significant traffic through Infobase. During the fourth quarter of 2006 Infobase registered 2537 downloads. Between January 1 and February 19, Infobase registered 3685 downloads. Some of this activity may be due to web crawlers picking up the new material. It will be interesting in the coming year to see if those numbers continue to grow and to note whether they lead to a significant decline in traffic through Ingenta.

Pay-per-view. Pay-per-view activity through Ingenta for seven quarters is graphed in Figure 2. I don't have figures for the fourth quarter of 2006. The activity appears to have leveled out. Again, it will be interesting to watch the effects of our appearance on Infobase. I expect that we will see a net gain in pay-per-view use

of the journal. It is noteworthy that in 2006 quarter 3, 60 out of 129 ppv downloads were from the backfile. There is value in the older material.

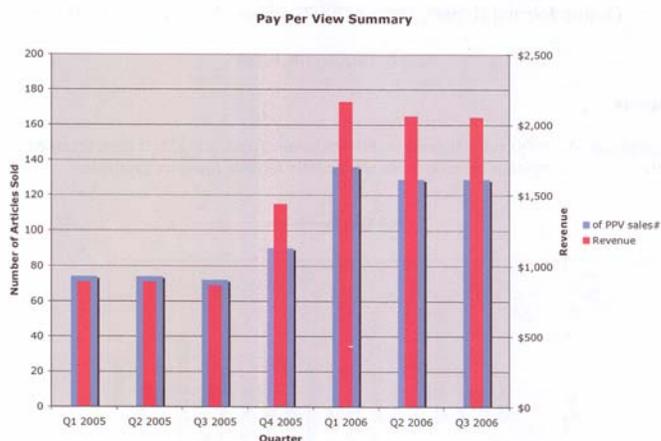


Fig. 2 Pay-per-view access to Applied Spectroscopy

Most frequently downloaded papers Table 1 lists the ten most frequently downloaded papers for the past 24 months.

Volume	Issue	Title
59	6	Standoff Detection of High Explosive Materials at 50 Meters in Ambient Light Conditions Using a Small Raman Instrument
57	11	Surface Plasmon Resonance Imaging as a Tool to Monitor Biomolecular Interactions in an Array Based Format
56	2	Surface-Enhanced Raman Spectroscopy in Single Living Cells Using Gold Nanoparticles
58	11	Surface-Enhanced Infrared Spectroscopy
60	1	Raman and Infrared Microspectral Imaging of Mitotic Cells
59	7	Comparison of Sampling Techniques for In-Line Monitoring Using Raman Spectroscopy
59	8	Surface-Enhanced Raman Spectroscopy of Bacteria and Pollen
56	1	Quantum Dots: A Primer
58	12	Specific Chemical Effects on Surface-Enhanced Raman Spectroscopy for Ultra-Sensitive Detection of Biological Molecules
47	9	Generalized Two-Dimensional Correlation Method Applicable to Infrared, Raman, and Other Types of Spectroscopy

**NEWSLETTER EDITOR'S REPORT  
DAVID BUTCHER  
JANUARY 16, 2007**

Five issues of the newsletter have been published since our last report, as detailed in the table below. They have focused on the FACSS 2006 Program, Election Results, the Tour Speaker Program, reports from the Governing Board meeting, and awards presented at FACSS. Dr. Leopold May of Catholic University has generously shared his list of "Historical Events in Spectroscopy" that has been included on a space available basis in the newsletter.

Issue	Topic
August 2006	FACSS Preliminary Program and Workshops
September 2006	SAS Election Results
October 2006	SAS Tour Speaker Program
November/December 2006	SAS Reports from FACSS 2006
January 2007	SAS Awards from FACSS 2006

### **SOCIETY FOR APPLIED SPECTROSCOPY WEB EDITOR'S REPORT**

**JANUARY 30, 2007  
STEPHEN BIALKOWSKI**

The SAS web site has become more difficult to maintain as time goes on. In particular, the level of support from the internet service provider, Interland or Web.Com, has decreases significantly since they started up the Web.Com services. I have had to resolve all issues without significant help or direction from them. The main issues over the last 5 or so months include SAS office email problems, security certificate renewal and installation, sub-web registration for the new employment service, and issues related to web site monitoring.

I have been performing routine maintenance of the Society's web site. This includes keeping job postings, meeting posts, updating membership forms, society news, checking and verifying links, updating the Corporate Sponsor lists, links, and logos, and performing miscellaneous tasks such as deleting old content.

I received a thorough report and test of the web site from Bonnie Saylor earlier this month. This was an excellent report and I started to remedy the problems pointed out there. I stopped when I learned that a committee was set up to make recommendations to chance the SAS web site. I will continue the improvement based on this audit after the issues regarding the new web site design are settled.

The discussion board continued to receive spam attacks. I was receiving from 5 to 20 spam posts each day. These posts are advertisements for sex, drugs, rock and roll, etc. I started to keep track and limit access to the section of the web from the IP addresses. I researched some of these and found that the same IP addresses were spamming sites across the planet. I examined a list of similar IP addresses and came to the conclusion that it would not be possible to stop the flood of attacks. So I simply disabled posting by anyone who is not registered. The site was then spammed by bogus request to register. I dealt with at least one but up to 5 similar bogus registrations each day. Finally, I disabled that function as well. So the discussion board is effectively shut down. People may still use it, but they must email me directly for an account. It was taking an average of about 4 hours per week to read, reject, and document these bad posts and requests.

The web use tracker has been running well and there are now reliable statistics for the number of times the main web page is accessed. I think it is interesting to note that the majority of web site access is from the United States. There has been a decline in

the use of the web over the last years. I suspect the major reason for the decline is that abstracts are not posted on the SAS web site. On the other hand, having the abstracts on the Ingenta web site may be more profitable for the journal.

### **MEMBERSHIP/MEMBERSHIP EDUCATION COORDINATOR'S REPORT**

**GLORIA STORY  
JANUARY 2007**

During the FACSS 2006 Governing Board meeting, the Executive Committee decided to have me quit my post as Membership Education Coordinator and take on the Membership Coordinator position. It was agreed by all present that membership education is a concern of all board and committee members, as well as all members at-large, and should not suffer from this change whatsoever. I have noticed, since then, that I am now listed as "Membership/Membership Education Coordinator" on our website; so I guess I have both jobs.

During FACSS, Becky Dittmar suggested that my first assignment should be to assist in working on updating our website; working with Carrie Lendon from the Publications committee to analyze the site as it currently exists. Our report is a rather large pdf file containing a full analysis of all pages in the site (see Bonnie Saylor for a copy). It is our recommendation that we keep most if not all the information on the current website and mimic the FACSS website design, at least for its ease of navigation. The FACSS website feature most appreciated was having main topics at the top of the home page, that waving the mouse across brings the drop down selections. Only when you see the key word you want, do you need to click and actually commit to going to another page...a real time saver! Bonnie Saylor's fine work checking out JobTarget will be a fabulous addition to our site...not only as a fundraising avenue, but having one rather large section of our site maintained and updated by somebody else!

Finally, I recently got involved in communicating between a new member and our fabulous Executive Director and staff. This issue should also be fixed with a few adjustments to the website experience. This new member, from UCLA, was concerned after clicking "submit" for a new membership and not getting an immediate confirmation email response. Those of us who shop on-line are used to getting an automatic email within minutes of handing over our credit card numbers. Ms. UCLA did not receive this immediate email and got nervous. Since I am listed as the Membership Coordinator on the site, Ms. UCLA contacted me with her concerns. One way around this, if we don't want to generate an automatic confirm email with all the information enclosed, is to at least have an automatic email that says something like...."Your membership information has been received. A full receipt will follow shortly."

### **SAS STUDENT REPRESENTATIVE REPORT LACEY AVERETT SPRING 2007**

This year there have been opportunities for students to grow professionally through increased opportunities to present research, increased knowledge on what to expect after graduation and increased networking opportunities.

There were multiple opportunities for students to present their research at FACSS. The conference began with the SAS poster session on Sunday evening and this year the poster winners were allowed to participate in an oral symposium on Tuesday. This was an excellent opportunity for the students to present their work in a way that would not have been available to them otherwise. The attendance was not ideal but it still gave the students experience in preparing and presenting oral presentations.

There were also opportunities at FACSS for students to expand their knowledge about how to obtain a job and what to expect in the workforce. This was presented at the student/professional panel discussion, "I'm graduating soon: What's next?" that was held on Tuesday. Students were allowed to ask questions and received a broad expanse of views from the panel incorporating industry, academics and government views. During this event I distributed a handout on professionalism (as a take home aide).

During the exhibition opening there was also an unprecedented desire from companies to sponsor student memberships. Mike Carrabba convinced companies to sponsor student memberships for a set amount of time during the opening. The companies that participated were Axsun Technologies, Renishaw Inc., Spectroscopy Magazine, Horiba Jobin Yvon, and ThermoElectron. We gained 28 student memberships during the exhibition opening and another 11 during the conference. We look forward to the students' support of the SAS for years to come.

This year at PITTCON we will be having a pizza dinner on Tuesday evening as a venue to increase networking opportunities. In the past, I have found that during these events most attendees sit at a table and only talk to who is at the table with them, usually isolated friends that they came with. Due to this, I have produced a way to increase mingling. I have put together a survey that the students will fill out at the dinner by speaking to various attendees. The survey has various questions that could start conversations while educating the students about the society. After the survey is completed it is given back to me and a raffle ticket is distributed. These tickets will be drawn for prizes. The information given by the students on the raffle tickets can then be used for a follow-up communication after the conference.

Additionally, I have also compiled information on the OSA student chapters. We hope to use this information as a starting point for the creation of our own student chapters. I am very eager to get this program started this year.

#### **AWARDS COMMITTEE REPORT MARVIN MARGOSHES DECEMBER 2, 2006**

By unanimous vote, the Awards Committee has endorsed two nominations for Honorary Membership. The two nominees are Ira W. Levin and Norman B. Colthup. Both nominees have made highly important contributions in the application of infrared spectroscopy. Dr. Levin's research has been influential in IR and Raman biospectroscopy. Dr. Colthup's infrared correlation chart, first published in 1950, as well as his writings and teaching activities, have introduced generations of scientists to the interpretation of IR spectra.

#### **OTHER AWARDS**

The EC received a nomination for the Distinguished Service Award. Dr. Larry Nafie was confirmed as the awardee.

#### **REPORT OF THE LOCAL SECTION AFFAIRS COMMITTEE FEBRUARY 24, 2007 DAVID A. HEAPS**

Committee Members: Emil Ciurczak, Mark Druy, David Heaps, Rajiv Soman

The Local Section Affairs Committee has taken on the task of activating some of the inactive local section. At this point, we have 38 local sections and 12 are inactive. The Baltimore Washington section is one of the inactive sections. The Local Section Affairs committee has requested me to activate the Baltimore Washington section.

I began my investigation to understand why the Baltimore Washington section has become inactive by speaking with the last known Chair and Co-Chair. I found that these two individuals were too busy to fulfill the position to the needed standard. To help activate this section, I have recently overtaken the position of Chair. The Treasurer, Jeb Taylor, is willing to stay at his current position and help activate the section. Some of the problems that I have encountered are that very few people are willing to assist in a leadership roles and finding old tax status and documents. I did find people are very willing to suggest activities and ways that the section could use the resources available.

At FACSS, I will present the process to activate a local section. I will also be investigating strong local sections to find out the key aspects to maintaining an active section. I will be putting together a tool kit or a guide to activation and maintaining a local section.

The status of the SAS local sections are:

Arizona (inactive)  
Baltimore-Washington\*  
Chicago\*  
Cincinnati\*  
Cleveland\*  
Delaware Valley\*  
Detroit\*  
Florida (inactive)  
Houston  
Indiana\*  
Intermountain  
Kansas City  
Lehigh Valley (inactive)  
Louisiana (inactive)  
Mid-Michigan  
Milwaukee (inactive) \*  
Minnesota  
New England\*  
New York\*  
Nevada (inactive)  
Niagara Frontier\*  
North California\*  
(Formerly Northern California)  
North Texas (inactive)  
Ohio Valley\*  
Pacific Northwest  
Penn-York

Piedmont  
Pittsburgh\*  
Reading (inactive)  
Rio Grande  
Rocky Mountain  
St. Louis  
San Diego (inactive) \*  
Snake River  
Southeastern (inactive) \*  
Southern California (inactive) \*  
Toledo  
Virginia-Carolina (inactive)

**NOMINATING COMMITTEE REPORT  
FEBRUARY 2007  
CHAIR ROBERT G. MICHEL**

The nominating committee is pleased to nominate the following individuals for 2008 offices for the Society for Applied Spectroscopy:

President-Elect:  
Jon Carnahan  
Joe Sneddon

Treasurer:  
Paul Bourassa  
Mark Druy

All are confirmed as having the requisite Society experience to serve.

**SAS PUBLICATION COMMITTEE REPORT  
FEBRUARY 2007  
CURT MARCOTT, PUBLICATIONS COMMITTEE CHAIR**

The SAS Publication Committee met Monday, September 25, 2006, at the Contemporary Resort, Walt Disney World, Orlando. Committee members Curt Marcott, Larry Nafie, Rina Dukor, Carrie Lendon, along with Joel Harris, Paul Farnsworth, Jim de Haseth, David Butcher, and Bonnie Saylor were present. Bill Cunningham and LaDonna Clark from the Alliance Communications Group (The Publishing Division of Allen Press, Inc.) also attended.

**Journal**

The possibility of on-line posting of papers in advance of their publication in *Applied Spectroscopy* was discussed. Many journals have an ASAP feature on their web sites that enable viewing of papers months in advance of the printed issue. Journal Editor Joel Harris said that second page proofs could be made available on line, and he would try it beginning in January 2007. The "proofs" would not have a page number and would appear two months before publication of the printed issue.

Bill Cunningham and LaDonna Clark from Allen Press led a discussion of on-line advertising. Ingenta offers three options: 1) Allen Press sells the ads; 2) we sell the ads; and, 3) pop-up ads. On-line advertising is common for other journals and represents another source of revenue. Advertising could be offered as either print, online, or both.

**Website**

A website subcommittee of the Executive Committee consisting of Becky Dittmar, Carrie Lendon, Gloria Story, Bonnie Saylor, Dave Butcher, Stephen Bialkowski, and Jim de Haseth have been meeting in an attempt to come up with a plan for updating the SAS website. Their progress will be reported at the Executive Committee and Publications Committee meetings at Pittcon.

**REPORT OF THE SAS PUBLICITY COMMITTEE  
DEBBIE BRADSHAW, ERIC OXLEY, STEVE BIALKOWSKI,  
ROBERT DENG, DAVE BUTCHER  
JANUARY 16, 2007**

The SAS Publicity Committee was charged with two tasks:

- (1) development of a comprehensive media list and
- (2) development of new ideas for membership.

The first task has been completed and list is below. We have a proposal on the second matter. The committee feels that the greatest appeal of the Society has been, is, and will continue to be to research scientists. We do not believe that the Society will be able to offer significant value to other members of the scientific community, such as technicians. Therefore, we believe we need to continue to improve the value of Society membership to our core constituents.

We would like to propose that the Society more actively promote fundamental and applied spectroscopic research and applications at technical conferences. It is proposed to appoint a Technical Program Chair, who would serve on the SAS Executive Committee, to coordinate these efforts. As an initial step, we suggest that the society sponsor five one-half day sessions in 2008 – perhaps 2 at FACSS, 2 at Pittcon, and 1 at another location? Presumably SAS would provide some level of financial support, along with any support that would be negotiated from the conference organizers.

This proposal is extremely rough and we feel we need the guidance of the Executive Committee to develop this idea into a viable initiative.

**SAS 2007 TOUR SPEAKERS PROGRAM  
CHAIR AND ORGANIZER  
DR. JOSEPH SNEDDON**

I would like to take this opportunity to thank 2006 President Rebecca Dittmar, and the Executive SAS Committee for allowing me to chair and organize the 2007 SAS Tour. Thanks to Bonnie for help. In late Fall 2005/early Spring 2006, I contacted seven potential tour speakers and all agreed to participate and provided full address, e-mail and two tentative titles of presentations. In November 2006, this information was forwarded by Bonnie to all sections with the request that they indicate whether they would like a tour speaker, suggested dates (April 2007, May, 2007, etc.) and rank them, first choice, second choice, etc. As of January 28, thirteen sections had indicated a desire to have a 2007 SAS tour speaker. I made sure that each request from a section involved their first or second choice and tried to group several sections based on (somewhat) geography. Several of the speakers have not finalized exact dates and titles of presentation as of January 27. Even at this late date we could accommodate any section who would like a speaker provided they choose one of the speakers

who has less than three engagements and fit their date around this speaker.

The following is the SAS 2007 Tour schedule:

1. Dr. Steven Soper (3 sections)

Louisiana State University

a) Single Molecule Detection using Laser-Induced Fluorescence: Applications in Biomedicine

b) Near-IR Fluorescence: Probes, Spectroscopy and Applications in Biology

**Northern California, Intermountain, and Snake River**

2. Dr. Doug Gilman (2 sections)

Louisiana State University

a) Light scattering and fluorescence detection for detection and characterization of individual submicron particles

b) Optically gated vacancy electrophoresis: studies of electroosmosis and enzyme inhibition

**Chicago (April 17), Detroit, (April 18)**

3. Dr. Luis A. Colon

SUNY-Buffalo

a) Putting pressure on HPLC: columns packed with sub 2 um particles

b) New materials for monolithic columns for liquid chromatography

**St. Louis (1 section)**

4. Dr. Mark M. Merchant (3 sections)

McNeese State University

a) The American Alligator: From Marsh to Medicine

b) Isolation and characterization of antibiotic peptides from Alligators

**New England, (April 24), New York, (April 25), Baltimore-Washington, (April 26)**

5. Dr. Barry K. Lavine

Oklahoma State University

a) Genetic Algorithms for Spectral Pattern Recognition

b) Swellable Molecularly Imprinted Polymer Nanospheres for Detection of Emerging Organic Contaminants Using Surface Plasmon Resonance Spectroscopy

**Cleveland, Ohio Valley**

6. Dr. Paul Pantano (2 sections)

University of Texas at Dallas

a) Investigating the Intracellular Fate of Biocompatible SWCNTs

b) The Fabrication and Characterization of a Disposable Microscope Objective Chemical Sensor

**Piedmont, Niagara-Frontier**

**MEGGERS AWARD COMMITTEE REPORT**

**FEBRUARY 2007**

**CHAIR DOUG ELMORE**

The following paper is the recipient of the 2007 Meggers Award:

"Infrared Kinetic/Structural Studies of Barrier Reformation in Intact Stratum Corneum Following Thermal Perturbation" by Pensack et al. Vol 60, Number 12 p1399.

**LESTER STROCK AWARD REPORT**

**FEBRUARY 2007**

**CHAIR JOHN OLESIK**

The winner of this year's award is Detlef Gunther. Detlef is from ETH Zurich and is a clear world leader in the area of laser ablation sampling with ICP-MS detection from both a fundamental standpoint and practical application of the technique. His groundbreaking research has ranged from the influence of laser wavelength, pulse width, and sample chamber gas dynamics on the ablation and sample transport process to particle vaporization in the ICP to superb analysis of fluid inclusions in geological materials, forensics, and fingerprinting of materials including gemstones. His research and practical applications have led to the rapidly growing use of laser ablation ICP-MS.

**SAS FELLOWS COMMITTEE REPORT**

**JIM WINEFORDNER, CHAIR**

**MISUO TASUMI, JIM HOLCOMB, GARY HIEFTJE**

Our Committee recommended the following 7 scientists to be 2007 SAS Fellows.

Ed Yeung

Mike Morris

Kay Niemax

Sandy Asher

Ramon Barnes

Charles Wilkins (note by editor – Dr. Wilkins is already an SAS fellow)

Sam Houk

**Additional SAS Fellows**

Jeannette Grasselli-Brown

Marvin Margoshes

**LIPPINCOTT AWARD COMMITTEE REPORT**

**FALL 2007**

Dr. Jonathan Tennyson, Professor and Head of the Department of Physics at University College London, is the recipient of the 2007 Ellis R. Lippincott Award "For his contributions to theory and simulations of rotational-vibrational spectra of small molecules and applications for practical purposes".

This award was established in 1975 by OSA, the Coblenz Society and the Society for Applied Spectroscopy to honor the unique contributions of Ellis R. Lippincott to the field of vibrational spectroscopy. It is presented to an individual who has made significant contributions to vibrational spectroscopy as judged by his or her influence on other scientists. Because innovation was a hallmark of Lippincott's work, this quality must also be demonstrated by candidates for the award. The award is presented at the national meeting of one of the sponsoring societies.

**FACSS REPORT**

**SEPTEMBER 28, 2006**

**The Meeting**

This year, the passionate volunteer efforts were highly impressive, and so were the dedicated efforts of Cindi Lilly and her team. I am

amazed by the talent that guides FACSS! Thanks to all of you and your organizations.

For our Lake Buena Vista meeting, we retained the “new” program format for its third consecutive year, following its successes in Portland and in Quebec City. We kept last year’s adaptation, and again moved the poster sessions into the exhibit on Tuesday and Wednesday. Attendee response to the program has been very positive this year.

Things that were low: There were 796 badges assigned for the Lake Buena Vista meeting, versus 918 a year ago. Our attendance drop can be attributed, in part, to following PittCon to Florida in the same year. This site overlap certainly impacted Exhibit attendance. While room counts for talks were not as high as last year’s 38.6 average, it looks like an average of ~28 people attended the non-plenary sessions, which is ~1-2% above the pre-Quebec City average. There appeared to be a pattern of lower afternoon talk attendance, which might have been influenced by the excellent Florida weather and the magnetic pull of Disney. There were more than a few complaints early in the week that food is hard to manage at Disney – but starting Tuesday, our many evening events took care of the issue.

Things that were high: International attendance was significant at Lake Buena Vista, with the very visible presence of Royal Society of Chemistry members, as well as a large number of Asian attendees from Korea, Japan, and Greater China, and visitors from across Europe. This conference may also have set a recent record for sign-ups of new SAS and Coblenz members, with ~60-70 new members joining during an exhibit-based membership blitz hosted by the Exhibit Chair, Mike Carrabba, which should be repeated next year! Drew Manica’s FACSS Student/Professional Panel and Employment efforts were extremely well-received, and plans are already underway to expand this work next year. The Student Poster awards were impressive, and were hopefully a source of future loyal attendees. The Workshops, led by Jeni Thomas, made a nice profit this year.

The Exhibits, a cause for concern shortly after PittCon, offered three benefits beyond new Society member signups:

- 1) Exhibitors, who chose not to exhibit this year, in some cases transferred their support for the conference to the Program,
- 2) most of our member societies used their booths this year, and
- 3) the free wireless service available only in the area around the Exhibit hall kept many attendees nearby, and likely increased both oral and poster presentation attendance.

I, like Mark before me, am personally excited about the new format and the meeting in general. The greatest compliments received this year are that our Program is terrific and that FACSS is THE meeting for networking. I also heard that FACSS is fun.

### **Long Range Planning**

We have now completed our ‘retreat’ meetings, and replaced them with the first Long Range Planning Committee meeting. This first meeting was totally focused on improving FACSS in the future, and a great number of terrific ideas were generated. Net, FACSS is actively working to control its future, by defining a process to improve the meeting and a mechanism to make sure that those ‘improvements’ are working to support the mission of FACSS. Becky Dittmar and Mark Hayes will lead us through that process in

the next twelve months, and a number of action items we have been discussing will be addressed as a result of their efforts. Becky will present further information on the activities from this week’s meeting.

### **Changing FACSS**

I have been impressed by the tremendous progress that FACSS has made in the last few years, especially in improved relationships with the existing member societies and the addition of ASMS to the leadership team. We are continuing to work to increase Society involvement, and to deliver against the character in our mission statement, as well as our objectives and metrics. I look forward to the next step of creating a multi-year, strategic vision for the Conference, with creative ideas and actions that allow us to move ahead. I believe we still have an opportunity to update our operating manual, but I think those jobs will get done, between Michael Blades, Mark Hayes, and the Memphis team’s efforts.

I would like to thank the essential, absolutely passionate and interesting people that personally brought this meeting together. Our 2006 meeting crew of Christine Wehlburg, Doug Gilman, Jeni Thomas, Drew Manica, and Mike Carrabba did a great job. The exhibits, program, venue, workshops, and activities were all top notch. Along with these people, our other leadership team members, Mark Hayes, Paul Bourassa, Mike Blades, and John Graham, keep the meeting going and further the long-term health. It is impossible to say enough good things about Cindi Lilly’s absolutely fantastic job. Cindi works around any and every obstacle to get things done.

Finally, I wish the best of luck to the incoming team for Memphis: Ian Lewis, Paul Bourassa and Jim Rydzak. I know the meeting is in great hands.

### **REPORT OF THE CHF DELEGATE DAVID S. TRIMBLE, SAS DELEGATE, CHEMICAL HERITAGE FOUNDATION PITTCON 2007**

I would like to begin this report by thanking the Governing Board, and more specifically our President Becky Dittmar, for the privilege of serving as the SAS Delegate to the Heritage Council of the Chemical Heritage Foundation.

The Heritage Council most recently met on October 17, 2006. I will touch on the topics of most interest to SAS. For more complete details, please see the attached **draft** copy of meeting minutes provided by the CHF.

Construction of Gallery and Meeting Spaces: Significant progress has been made in the past year to convert a large portion of the first a second floors into a large two story exhibit hall. The *Instruments and Artifacts Committee* has been deeply involved in the selection of instruments to be exhibited, and ensuring that sufficient and accurate documentation is provided for each. Many of the displays will include interactive displays, and certain key instruments will be accompanied by video oral histories (more below). The CHF feels that the Summer 2008 target date for gallery opening is realistic.

Several meeting spaces, ranging from moderately large to somewhat intimate, are planned with the hope that the CHF will attract a variety of scientific groups who already meet in the greater Philadelphia area. Ideally the CHF would like to attract scientific and technology groups from other cities or regions to this new, but also historic venue.

Video Oral Histories: Although reminiscent of the ACS video series completed some 15 years ago, the video histories recorded under the direction of the Instruments and Artifacts Committee are meant to capture not only the significance of critical instruments but the scientists/technologists who used them. It was decided to interview the every day practitioners instead of the "big names". This reflects the volume of detailed "inside knowledge" that these folks possess. They are not designed to substitute for the intense and perhaps overtly scholarly nature of the formal oral histories that the CHF also is collecting.

Marvin Margoshes: I would like to thank Marvin for making the transition into this role particularly easy. It is not often that one can actually obtain a "job description" when undertaking such volunteer positions. I would also like to congratulate Marvin on being named a permanent *member-at-large* of the *Instruments and Artifacts Committee*.