

49<sup>th</sup> Midwest Regional Meeting of the American Chemical Society  
Columbia, MO – November 12-15, 2014  
FINAL REPORT

**I. Executive Summary**

**General Chair:** Michael Greenlief, University of Missouri

**Program Chair:** Timothy Glass, University of Missouri

The 49<sup>th</sup> Midwest Regional Meeting of the American Chemical Society was held in Columbia, MO, November 12-15, 2014 at the Memorial Union on the University of Missouri campus in Columbia, MO. The host section was the University of Missouri Section.

**Key Facts and Figures**

Technical Abstracts: 490 presentations (229 posters and 261 oral)

Attendees: 742 attendees (including 436 students)

Budget Surplus: \$11,636.84

Goals of the meeting were to provide a forum for the presentation of current research findings to chemists, chemical engineers, and practitioners of chemistry in our region in a student-friendly environment. Specific programming was planned to involve ACS Divisions, as well as, interests of local chemists. The goals were achieved through a program that involved almost 500 presentations, a number of symposia, training opportunities and events highlighting regional awards.

**Site Selection**

The local section decided to hold the meeting on the MU campus. One advantage holding the meeting on campus is the reduced rate charged for meeting rooms. Competitive bids were solicited for the meeting hotel. Bids were received and the Stoney Creek Inn was selected due to its low price and the ability to have the entire meeting room block in a single location. The meeting block was filled and several area hotel were listed on the meeting website as alternative housing locations.

**Meeting Organizing Committee**

**General Chair:** Michael Greenlief, University of Missouri

**Program Chair:** Timothy Glass, University of Missouri

**Treasurer:** Paul Sharp, University of Missouri

**Exhibits Chairs:** Silvia Jurisson and Susan Lever, University of Missouri

**Awards Chair:** Jetty Duffy-Matzner, Augustana College

**Webmaster:** Nathan Leigh, University of Missouri

**Local Arrangements:** Phil Silverman, University of Missouri

**ACS Liaison:** Kimberly Savage, ACS Dept. of Meetings and Exposition Services

**Meeting Organizing Committee Operations**

The organizing committee met quarterly during late 2013 through mid-summer of 2014 and monthly thereafter. A large part of the committee business was handled through email. Each

committee was responsible for specific tasks. Monthly phone conferences were held with the ACS Dept. of Meetings and Exposition Services for most of 2014.

### **Budget Development**

A planning budget was approved by the Midwest Regional Board a year in advance of the October 2014 meeting. Registration and Exhibit booths were executed per MWRM guidelines. Symposia organizers were given a base budget and encouraged to work with ACS Divisions to obtain additional funding. Providing a quality meeting in a fiscally responsible manner was the primary operating rationale.

## **II. Meeting Program**

### **Program Chair**

Tim Glass, University of Missouri

### **Symposia Organizers**

Computational Chemistry

John Adams, University of Missouri  
Carol Deakyne, University of Missouri  
Thomas Sewell, University of Missouri

Organic Synthesis in the SEC

Michael Harmata, University of Missouri

Mass Spectrometry and Targeted Proteomics

Brian Mooney, University of Missouri  
Jay Thelen, University of Missouri

Green Nanochemistry

Gary Baker, University of Missouri

Inorganic Radiochemistry

Justin Walensky, University of Missouri

Supramolecular Chemistry

Jerry Atwood, University of Missouri

Entrepreneur's Toolkit:

Resources and True Stories

Joe Sabol, Chemical Consultant

Policy and Science Communication

Jason Cooley, University of Missouri

Chemistry Outreach Programs and Activities

Renee JiJi, University of Missouri

Chemistry Teaching and Science Standards

Lloyd Barrow, University of Missouri  
James Puckett, Grandview Senior High School

## **General Sessions**

Analytical  
Biochemistry  
Chemical Education  
Inorganic  
Organic and Medicinal Chemistry  
Physical  
Polymers and Materials Chemistry

## **Poster Sessions**

General Sci Mix  
Analytical  
Biochemistry  
Chemical Education  
Inorganic  
Organic and Medicinal Chemistry (x2)  
Physical  
Polymers and Materials Chemistry

## **Other Events**

Chemistry of NASCAR Presentation, Steve Keller

SciMix, Welcoming Event and Poster Session

ACS Career Services, Lisa Balbes

*Finding Your Pathway*

*Resume Reviews*

ACS Governance Ice Cream Social

Midwest Award Address, Vicki Grassian

Chemistry Teaching and Science Standards

## **Awards Banquet**

The Awards Banquet was held at the MU Alumni Center with about 90 people in attendance. The students working with the local arrangements committee were given free tickets to the banquet for their assistance throughout the meeting. The following awards were presented at the banquet:

2014 Midwest Award

Awardee: Vicki Grassian

2014 ASC Division of Chemical Education Midwest Award for Excellence in High School Teaching in Honor of John E. Bauman, Jr.

Awardee: Donna Malkmus

2014 E. Ann Nalley Midwest Region Award for Volunteer Service

Awardee: Leah O'Brien

2014 Stanley C. Israel Region Award for Advancing Diversity in the Chemical Sciences  
Awardee: Javier Vela-Becerra

**A/V Arrangements**

PowerPoint/LCD was used in the technical sessions and Symposia. Computers were supplied by the speakers. Projection screens, A/V cart with power, and podium were provided by the Memorial Union or the Midwest Board. A/V switch boxes, clocks and laser points were also provided by the Board.

**III. Meeting Finances**

**Income:** \$65,580.00

**Expenses:** \$53,943.16

**Net:** \$11,636.84

University of Missouri Profit Share (50%): \$5,818.42

Midwest Region Profit Share (50%): \$5,818.42

**Financial Accounts Used by Meeting**

Treasurer Paul Sharp opened a checking account for MWRM 2014. All local income and payments were handled by Paul Sharp.

**Funding for Special Symposia**

The organizers for each of the special symposia were given a budget. The ACS Divisions of Chemical Education, Colloid and Surface Chemistry, Division of Small Chemical Businesses, and Nuclear Chemistry also provided financial support to several symposia.

The Organic Synthesis in the SEC symposium was funded by the Division of Organic Chemistry, The MU College of Arts and Science, and the MU Chancellor's Office. The symposium expenses were handled internal through MU and do not appear in the financial details below.

The Supramolecular Chemistry symposium was funded privately through Dr. Jerry Atwood and these expenses similarly do appear below. The meeting did provide complimentary registration for all invited speakers.

**Financial Details**

The ACS Dept. of Meetings and Exposition Services spreadsheet and the one used by the meeting treasurer are included as Appendix 1. A summary of the meeting income and expenses is given below.

**Income**

Loan (MW Board)	\$ 5,000.00
Registration	\$30,755.00
Ticket Event Revenue	\$ 3,290.00
Exposition and Sponsorships	\$17,635.00
Divisional Support	\$ 2,550.00

Chemical Hygiene Workshop      \$ 6,350.00

**TOTAL INCOME                      \$65,580.00**

**Expenses**

Loan repayment (MW Board)      \$ 5000.00

University of Missouri              \$20,742.84

Program                                \$9,337.43

Chemical Hygiene Workshop      \$ 5,700.00

ACS Registration Management      \$ 2,968.00

ACS Regional Planning Conf.      \$ 1692.82

Program Graphics (logo)          \$ 650.00

Program Books                        \$ 4,775.00

Committee Expenses                \$ 3,077.07

**TOTAL EXPENSES                    \$53,943.16**

**NET PROFIT                            \$11,636.84**

**IV. Fundraising**

Sponsors (Name and/or logo in the Program Book and meeting website)

ABC Laboratories

SynTech Research

Shimadzu

ISS

Division of Chemical Education

Division of Colloid and Surface Chemistry

Division of Small Chemical Businesses

Sapling Learning

The Mizzou Store

University of Missouri

Union University, School of Pharmacy

South Dakota State University

Missouri Western University

University of Wisconsin, Pharmaceutical Sciences

Midland Scientific

**V. Exposition**

Exhibits chairs: Silvia Jurisson and Susan Lever (University of Missouri)

Academic Vendors:

Emporia State University

Iowa State University

Kansas State University

Mississippi State University

Missouri S&T University

Missouri State University  
Missouri Western State University  
St. Louis University  
South Dakota State University  
The University of South Carolina  
University of Iowa  
University of Kansas  
University of Missouri – Columbia  
University of Missouri – St. Louis  
University of Wisconsin Pharmacy  
Wichita State

Commercial Vendors:

ABC Labs  
Advion  
Alfa Aesar  
Bruker Dalton  
Hach Co.  
HORIBA  
ISS  
John Wiley and Sons  
Magritek  
Midland Scientific  
Pine Research Instrumentation  
Shimadzu Scientific  
Sigma-Aldrich  
SynTech Research  
Waters

Vendor Feedback

Verbal feedback from exhibitors was very positive. Several of them liked being close to the registrations area, as well as, the coffee breaks. There was an issue with FedEx pick up of the vendor displays, in that they arrived a day late and this caused some timing issues with the Southwest Regional Meeting. FedEx agreed to ship everything overnight at no additional cost because of their delay.

**VI. Publicity/Website**

**Webmaster:** Nathan Leigh (University of Missouri)

**Site:** <http://www.mwrm2014.org/index.php>

The site was designed by Nathan Leigh and updated regularly. The meeting logo was designed by a local graphic artist. The logo was used on the website, in correspondence and in the program book. The meeting site was advertised by electronic mailings through the National ACS Office. The meeting had a publicity booth at the 2013 Regional meeting in Springfield.

Appendix 1

Financial Spreadsheets



**MIDWEST REGIONAL MEETING (MWRM 2014)**  
**FINAL REPORT OF REGISTRATION REVENUE AND OTHER EXPENSES PROCESSED BY ACS**

Registration Type	# of Attendees	Registration Fee	Totals
Early Bird Member	141	\$75.00	\$ 10,575.00
Early Bird Member with Promo Code	1	\$25.00	\$ 25.00
Late Advance Member	18	\$100.00	\$ 1,800.00
Onsite Member	20	\$100.00	\$ 2,000.00
Comp Member	5	\$0.00	\$ 0.00
Comp Speakers	21	\$0.00	\$ 0.00
Early Bird Non-Member	21	\$130.00	\$ 2,730.00
Late Advance Non-Member	9	\$150.00	\$ 1,350.00
Onsite Non-Member	5	\$150.00	\$ 750.00
Comp Speaker Non-Member	5	\$0.00	\$ 0.00
Early Bird Graduate	157	\$25.00	\$ 3,925.00
Late Advance Graduate	29	\$35.00	\$ 1,015.00
Comp Speaker Graduate	2	\$0.00	\$ -
Onsite Graduate	20	\$35.00	\$ 700.00
Comp Graduate	35	\$0.00	\$ -
Early Bird Undergraduate	146	\$25.00	\$ 3,650.00
Late Advance Undergraduate	25	\$35.00	\$ 875.00
Onsite Undergraduate	20	\$35.00	\$ 700.00
Comp Undergraduate	2	\$0.00	\$ -
Early Bird Retired	3	\$25.00	\$ 75.00
Onsite Retired	1	\$35.00	\$ 35.00
Comp Speaker Retired	1	\$0.00	\$ -
Early Bird Emeritus	1	\$25.00	\$ 25.00
Late Advance Emeritus	1	\$35.00	\$ 35.00
Early Bird Unemployed	2	\$25.00	\$ 50.00
Late Advance Unemployed	1	\$35.00	\$ 35.00



Registration Type	# of Attendees	Registration Fee	Totals
<b>SUBTOTAL</b>			
Early Bird K12 Teacher	5	\$5.00	\$ 25.00
Late Advance K12 Teacher	1	\$15.00	\$ 15.00
Onsite K12 Teacher	1	\$15.00	\$ 15.00
<b>SUBTOTAL</b>	<b>7</b>		<b>\$ 55.00</b>
Early Bird High School Student	1	\$0.00	\$0.00
<b>SUBTOTAL</b>			<b>\$0.00</b>
Early Bird 50 Year ACS Member	4	\$0.00	\$ -
Late Advance 50 Year ACS Member	1	\$0.00	\$ -
<b>SUBTOTAL</b>	<b>5</b>		<b>\$ -</b>
Early Bird Community College Educator	4	\$50.00	\$200.00
Late Advance Community College Educator	3	\$50.00	\$150.00
<b>SUBTOTAL</b>			<b>\$350.00</b>
Early Bird Academic Exhibitors Reps (Comp)	13	\$0.00	\$0.00
Early Bird Commercial Exhibitors Reps (Comp)	24	\$0.00	\$0.00
<b>SUBTOTAL</b>	<b>37</b>		<b>\$0.00</b>
Awards Guests (Comp)	2	\$0.00	\$0.00
<b>SUBTOTAL</b>	<b>2</b>		<b>\$0.00</b>
<b>Total Number of Registrants</b>	<b>742</b>		<b>\$ 30,755.00</b>
<b>Exhibitor Income</b>			
Commercial Exhibitors	13	\$520.00	\$ 6,760.00
Academic Exhibitors	16	\$260.00	\$ 4,160.00
<b>SUBTOTAL</b>	<b>29</b>		<b>\$ 10,920.00</b>
<b>Workshop Income</b>			
Chemical Hygiene Workshop (Member)	12	\$325.00	\$3,900.00
Chemical Hygiene Workshop (Non-Member)	3	\$350.00	\$ 1,050.00
Chemical Hygiene Workshop Onsite (Non-Member)	4	\$350.00	\$ 1,400.00
<b>SUBTOTAL</b>	<b>19</b>		<b>\$ 6,350.00</b>
ACS Finding Your Pathway	81	\$0.00	\$0.00

Registration Type	# of Attendees	Registration Fee	Totals
Resume Reviews	25	\$0.00	\$0.00
<b>SUBTOTAL</b>	<b>25</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Sponsor/Ad Income and Electrical</b>			
Gold Level Sponsor	1	\$1,000.00	\$ 1,000.00
Symposium Sponsor - Half Day	1	\$1,000.00	\$ 1,000.00
Symposium Sponsor - Half Day	1	\$2,000.00	\$ 2,000.00
Coffee Break Sponsor	2	\$500.00	\$ 1,000.00
Program Book Ad Business Card	2	\$100.00	\$ 200.00
Bronze Level Sponsor	1	\$250.00	\$ 250.00
Half Page Ad	2	\$250.00	\$ 500.00
Full Page Ad	1	\$500.00	\$ 500.00
Quarter Page Ad	2	\$125.00	\$ 250.00
Electrical Outlet	1	\$15.00	\$ 15.00
<b>SUBTOTAL</b>	<b>9</b>	<b>\$3,775.00</b>	<b>\$ 6,715.00</b>
<b>SOCIAL EVENTS</b>			
ACS Governance Ice Cream Social	120	\$0.00	\$ -
<b>SUBTOTAL</b>	<b>120</b>	<b>\$0.00</b>	<b>\$ -</b>
Awards Reception	125	\$0.00	\$ -
<b>SUBTOTAL</b>	<b>125</b>	<b>\$0.00</b>	<b>\$ -</b>
ACS Awards Banquet (Chicken)	32	\$35.00	\$1,120.00
ACS Awards Banquet (Chicken) - Comp	25	\$0.00	\$0.00
ACS Awards Banquet (Salmon)	52	\$35.00	\$1,820.00
ACS Awards Banquet (Salmon) - Comp	11	\$0.00	\$0.00
ACS Awards Banquet (Vegetarian)	10	\$35.00	\$350.00
ACS Awards Banquet (Vegetarian) - Comp	2	\$0.00	\$0.00
<b>SUBTOTAL</b>	<b>132</b>	<b>\$1,330.00</b>	<b>\$3,290.00</b>
Opening Social & Sci Mix Poster Session - Early Bird	190	\$0.00	\$0.00
Opening Social & Sci Mix Poster Session - Late Advance	27	\$0.00	\$0.00
Opening Social & Sci Mix Poster Session - Onsite	34	\$0.00	\$0.00
<b>SUBTOTAL</b>	<b>251</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>SUBTOTAL</b>			
<b>Social Events Total</b>			<b>\$ 3,290.00</b>

Registration Type	# of Attendees	Registration Fee	Totals
TOTAL REGISTRATION INCOME			\$ 30,755.00
TOTAL SOCIAL EVENTS INCOME			\$3,290.00
TOTAL EXHIBIT INCOME			\$10,920.00
TOTAL WORKSHOP INCOME			\$6,350.00
TOTAL SPONSOR/AD INCOME			\$6,715.00
<b>TOTAL REVENUE</b>			<b>\$ 58,030.00</b>
LESS ONSITE REVENUE ISSUED TO M. Greenleaf (CASH)			\$155.00
LESS CHECKS ISSUED TO M. GREENLIEF ONSITE			\$345.00
LESS INCOME NOT RECEIVED BY ACS (MONEY PAID DIRECTLY TO MWRM)	Exhibitor Income (Entered in e-Register vendor badges)		\$5,180.00
<b>SUBTOTAL</b>			<b>\$5,680.00</b>
<b>TOTAL REVENUE COLLECTED BY ACS</b>			<b>\$52,350.00</b>
<b>PAYMENTS SUBMITTED TO DATE</b>			
LESS PAYMENT TO MWRM #1			\$20,000.00
LESS PAYMENT TO MWRM #2			\$20,000.00
LESS PAYMENT TO Harry Alston for Chemical Hygiene Workshop (\$300 X 19 Attendees)			\$5,700.00
<b>TOTAL FUNDS MWRM RECEIVED</b>			<b>\$45,700.00</b>
ACS REGISTRATION MANAGEMENT FEE (\$4.00 per registrant) 742	(4.00 X 742 attendees)		\$2,968.00
<b>TOTAL MANAGEMENT FEE DUE TO ACS</b>			<b>\$2,968.00</b>
<b>FINAL PAYMENT DUE TO MWRM</b>			<b>\$ 3,682.00</b>

**Regional ACS Meeting 2014 Boone County Account 128077529**

<b>Income</b>	<b>Date</b>	<b>Amount</b>	<b>Notes</b>
ACS loan	10/14/2013	5,000	
ACS Reistration #1 (Check)	11/4/2014	20,000	
ACS Reistration #2 (EFT)	11/5/2014	20,000	
ACS (Ice cream social)	1/8/2015	386	
Same-day Reg + Reg Cash - \$100 gratuity	11/19/2014	480	
Final ACS Nat EFT	3/12/2015	3,682	
ACS-DivCHED	4/25/2014	500	
ACS-Coll	10/13/2014	1000	
ACS-Nuc Chem	11/19/2014	750	
ACS STL - Award	12/22/2014	300	
Exhibit (Univ.S. Carolina)	7/30/2014	260 booth	
Exhibit (S. Dakota)	10/13/2014	510 260 booth, 250 add	
Exhibit(Wichita State)	10/20/2014	260 booth	
Exhibit (ISS, Inc)	7/30/2014	770 520 booth, 250 bronze sponsor	
Exhibit(Shimadzu)	10/2/2014	1,250 250 add, 1000 gold sponsor	
<b>Total Income =</b>		<b>55,148</b>	

**Expense**

Checks	10/14/2013	22
Statement	11/29/2013	2
Graphic	12/20/2013	325
Graphic	3/20/2014	325

T-shirts (Silverman)	11/5/2014	475.5			
Program books (Omnipress))	11/19/2014	4775			
Domain name (Leigh)	12/15/2014	19.9			
Misc exhibit supplies (Debit Card)	11/12/2014	93.31			
Reg cash	11/12/2014	300			
<b>Gratuities</b>					
Convention Services Manager - \$200 Elair	11/14/2014	200			
Banquet Manager -Megan Morris (campus	11/14/2014	100			
Stoney Creek - Bailey Calton	11/14/2014	100			
Columbia Convention and Visitors Bureau	11/14/2014	voided			
<b>Speaker Reimbursement</b>					
MSTP-Washburn (Stowers Institute)	11/20/2014	396.98	MSTP Total, Alloted&balance =	1015.14	4000 2984.86
MSTP-Welti	11/20/2014	618.16			
CTSS-Gabler	12/1/2014	696.35	CTSS Total, Alloted&balance =	696.35	4000 3303.65
GN-Kohli	12/1/2014	281.96	GN Tota, Alloted&balancel =	926.6	4000 3073.4
GN-Li	12/1/2014	390.76			
GN-Baker	12/4/2014	100			
GN-Ellis	12/4/2014	153.88			
Nuc-Boncella	12/2/2014	912.11	Nuc Total, Alloted&balance =	4279.94	4250 -29.94
Nuc-Doucette	12/2/2014	924.98			
Nuc-Thompson	12/2/2014	903.72			
Nuc-Bursten	12/4/2014	1,038.84			
Nuc-Lapi	12/4/2014	330.29			
Nuc-Pokpong	12/5/2014	35			

Nuc-Lane	12/5/2014	35				
Nuc-Breshears	12/5/2014	25				
Nuc-Behrle	12/5/2014	75				
Adams-Lewis	7/29/2015	131.44	Nuc Total, Alloted&balance =	1005.85	?	?
Adams-Dawes	7/29/2015	427.79				
Adames-Aikens	7/29/2015	371.62				
Adams-Valenzano	7/29/2015	75				
Award-Leah O'Brian	12/1/2014	110	Awards Total,Alloted&balance =	1413.55	1300	-113.55
Award-Sarah Larsen		254.45				
Award-Prabir Dutta		1049.1				
MU		20742.84	(see last page)			
<b>Total Expenses =</b>		<b>36817.98</b>				
<b>Balance</b>		<b>18,329.66</b>				
minus ACS training (see below)		11,636.84	Profit			
<b>To local section (includes ACS training):</b>		<b>7511.24</b>				
<b>To Board</b>		<b>10818.42</b>				
Boone 10/16/15		18,329.66				
Difference		0.00				

**ACS Training Meet-Reimburse to Local**

total =

1692.82

Registration (Greenlief&amp;Glass)

590

Travel (Greenlief)

655.6

Travel (Glass)

447.22

MU

20742.84

Sci Mix drinks

1996.32

Sci Mix food

5362.81

Awards reception drinks

180

Awards reception food

1348.34

Awards banquet

5347.46

Thursday AM Coffee Break

392.29

Thursday PM Coffee Break

480.07

Friday AM Coffee Break

392.29

Friday Coffee (Puckett)

142.31

Union space/AV charges

2835

Doc &amp; Norm Direct (shuttle bus)

1955

Parking

310.95

Total

20742.84