

Division of Chemical Health & Safety
Executive Committee ACS Spring 2019 Meeting


Sunday, March 31, 2019 10 AM to Noon

Orange County Convention Center - Room W 312 C, Orlando, FL

1. **Welcome from Chair** (Sigmann) ([attachment 1](#)) 10:00
2. **Officer Reports** 10:05
 - a. Secretary (Wilhelm) ([attachment 2](#))
 - i. Approval of February minutes
 - b. Treasurer (Koza) ([attachment 3](#))
 - c. Immediate Past Chair (Pickel) ([attachment 4](#))
 - d. Councilors (Wood-Black, Decker) ([attachment 5](#)) 10:45
 - e. Members-At-Large (Sweet) ([attachment 6](#))
3. **Cannabis Subdivision Report** (Bramante) ([attachment 7](#))
4. **Visitor, introduced upon arrival** ([attachment 1I](#)) 11:00
5. **Old Business** ([attachment 8](#))
 - a. Approval of revised bylaws to be submitted to the Division membership for their acceptance
6. **New Business**
 - a. Approval of candidate slate for 2019 election (to start Jan 2020)
 - b. Division dues for upcoming year
7. **Reports of the Standing Committees** 11:20
 - a. Programming (Decker) ([attachment 9](#))
 - b. Awards (Incarvito on behalf of Bush)
 - c. Long Range Planning (Sigmann) ([attachment 10](#))
 - d. Membership (Stuart) ([attachment 1J](#)) of FFD
 - e. CHAS Publications (Elston)
8. **Reports of Other Committees**
 - a. Regional Meetings (Lassiter) ([attachment FG](#))
 - b. Development (Incarvito) ([attachment 1H](#))
 - c. Government Relations (Miller) ([attachment 1I](#))
 - d. Social (Avadhanula)
 - e. Educational Program (Phifer)
9. **Liaison Reports** 11:50
 - a. Corporate Associates ([attachment 1I](#))
 - b. NRCC (Phifer) ([attachment 1I](#))
10. **Reminders and Adjournment**

Chair's Report Spring 2019, Orlando, FL – 257th National Meeting

Welcome to Orlando, F.L.A.

First, I would like to recognize Joe Pickel for providing outstanding leadership to the Division in 2018. Additionally, his mentorship has been an asset  me moving forward into 2019. My sincere thanks also to Joe, Monique Wilhelm, and Mary Beth Koza for their assistance in preparing and submitting the 2018 annual report *on time*. To ensure that future transfers of CHAS leadership occur smoothly, Joe, Robin, and I are presenting an updated AI for the Administrative Manual titled “Chair Succession Schedule” for review at this meeting. To develop volunteers with strong division management skills, we have financially committed to sending up to three officers or committee chairs to the ACS Leadership Institute for 2019 and 2020.

Our programming committee has organized (yet again) a full lineup of talks for Orlando – thus continuing our tradition of disseminating up-to-date information in support of CHAS’s mission to provide authoritative technical safety resources for all. In Orlando, we have programming from Sunday through Wednesday morning including CANN. This year, the Division is working towards developing symposiums that provide broader impact by ***collaborating with other divisions to include safety in their programing.*** For San Diego, we have co-organized or supported symposiums in I&EC, ANYL, and CHED.

Along with technical programming, we have a strong workshop offering for this meeting. In Orlando a new workshop is offered entitled: “Why it went wrong: Blame-free investigation of lab-scale incidents”. We also have our always popular social event. Robin Izzo and Adi Avadhanula (who she is mentoring as her successor for Social Chair) have lined up our Orlando Social for Monday evening which is co-sponsored with CA, CHAL, SCHB, and BMGT.

Some notable highlights so far this year include:

- An uptick in Division membership
- Finalization of our Bylaws update
- Support for the attendance of three Division members to participate in the January Leadership Institute (Robin Izzo, Dan Kuespert, Kimi Brown)
- The transfer of the ***Journal of Chemical Health & Safety*** to ACS Publications.
- Participation in the celebration of the International Year of the Periodic Table of Chemical Elements. Robin and her associates at Princeton have created a “Periodic Table of the Elements of Safety” which will be available as give-away items at the CHAS/CCS Booth in Orlando.
- A strong CHAS presence at the **2019 ACS Safety Education Summit**, March 1st & 2nd.
- The development of a full chapter in the 4th ed. of the **ACS Style Guide** which will provide guidance on writing publication appropriate safety summary (PASS) statements in published and unpublished materials.

- The announcement of our 2019 award winners – a hearty “congrats” to all who were selected for recognition.
- The submission of five proposals in four of the ChemLuminary Awards categories.

Category	Title
<i>Recognition of Innovation and Outstanding Service to Members of a Division</i>	ACS Webinars on Chemical Safety
	Cannabis Chemistry Subdivision Parade and Networking in New Orleans
<i>Most Unique Project as Funded by a Division Innovative Project Grant</i>	Laboratory Risk Assessment Video
<i>Outstanding Divisional Career Program</i>	Developing Graduate Student Leadership Skills in Laboratory Safety Workshop
<i>Global Engagement Award</i>	CHAS participation in Chemical Society Capacity Building Workshop

I look forward to working with our outstanding group of volunteers in the coming months and thanks to all of you for your continued support of our Divisional activities.



Sammye

DCHAS Executive Committee Conference Call Minutes

Action Items

- Submit Agenda Book items NOW
- Sign up to man booth at EXPO
- Submit papers to J-CHAS
- submit abstracts for Fall mtg

Upcoming Calls

Every third Thursday
at 8:30am Pacific/11:30 Eastern
Next call: April 19, 2019

Meeting Details

- Date and Time: Feb 21, 2019 at 11:31am ET, adjourned at 12:34
- Connection Details: Call In Number – (669) 900-6833 Meeting ID: 883714695
 - Online Alternative– <https://zoom.us/j/883714695>
- Attendees: Julia Bramante, Kimi Brown, Debbie Decker, Harry Elston, Ken Fivizzani, Marta Gmurczyk, Chris Incarvito, Robin Izzo, Mary Beth Koza, Dan Kuespert, Mark Lassiter, Kali Miller, John Palmer, Russ Phifer, Joe Pickel, Sammye Sigmann, Ralph Stuart, Monique Wilhelm, Frankie Wood-Black

Discussion

- **Welcome/Roll Call**
- **Approval of January Minutes (attachment 1) –approved**
- **Announcements (Sammye)**
 - Mary Beth and Sammye signed Journal contract & note will be sent to members
 - Mtg in Orlando: Sunday, Mar 31st at 10 am to 12 noon following CCS meeting, at Orange County Convention Center - Room W 312 C; lunch follows.
 - Annual Report filed – 6 ChemLuminary nominations were submitted
 - **(attachments 2 & 3)**
 - CHAS logo apparel: Sammye will send more info on how to get the correct logo
 - The second Presidential Safety Summit is about education at end of this month
- **Treasurer Report (Mary Beth)**
 - Income
 - \$1000 income from memberships
 - Expenses
 - First invoice for Journal from Elsevier is \$8262.95
 - Only 1 person submitted travel reimbursement from Leadership Conference, others need to submit (Robin, Dan)
- **Update on Bylaws (Joe/Sammye)**
 - Sent to Bylaw committee to review and approve
 - Will be presented at Spring meeting in Orlando
 - Discussed possibility of longer terms for chair & chair-elect
 - Information on other divisions' terms will be shared

- **Update on Student Registration Award AI (Kimi/Sammye/Mary Beth)**
 - For 2019, we will support the registration of 2 students members that have requested and are presenting
 - We will be offering as an award in the future per Attachment 4
 - ACS Insurance will sponsor for 2 awards per meeting
 - In exchange for logo and text recognition in presentations
- **Gov Rel Cmte: New Policy Statement on Safety Instruction/Education (Kali)**
 - There are currently 3 policy statements pertaining to CH&S
 - Safety in the **Chemical Chemistry** Enterprise
 - CCS wants division's input for what to include on a new policy policy, if you are interested in helping contact Kali – it is not easy to initiate policy statements
 - We have opportunity to integrate into SOCED's as they are looking to enhance the Statement on Scholarship during the current renewal period
 - many agree this would be most appropriate for adding this
 - Dave Finster is leading this
- **Leadership Meeting Report (Dan, Kimi, Robin)**
 - Grad student members are helping other divisions recruit at SciMix and at the Monday Grad Student symposium
 - Safety minutes to share with other divisions were proposed
 - The ACS Chem IDP career planning tool needs improvement for safety profession
- **Articles for Journal (Harry)**
 - Still need manuscripts through end of year, only set through July/Aug issue, need 4 more (2000+ words) manuscripts for Sept/Oct and a full Nov/December issue
- **Programming (Joe/Debbie)**
 - **Orlando Final Notes**
 - EC meeting: Sunday, Mar 31st at 10 am to 12 noon following CCS mtg, Location: Orange County Convention Center - Room W 312 C; lunch follows.
 - **Social – (Robin, Adi)**
 - Add Adi to EC-listserv – **Ralph???**
 - **Workshops (Russ, Mary Beth)**
 - minimum is 5 registrants
 - Incident Investigation (first time presenting this one)-need 2 more
 - Lab Waste-need 3 more
 - All others, except for CANN are a go
 - Last day for room cancellation is next week
 - **Agenda Book Items (Monique)**
 - Reports needed ASAP, 0 received, **deadline Feb 25**

- **Booth - (Sammye, Robin)**
 - Robin has arranged for trinkets to celebrate IYPT
 - Marta has team of 4 to support booth
 - Will have Grad session at booth theatre
 - Registration needs to increase ASAP or we will have to cancel on the 28th
 - Monique will make CHAS-At-A-Glance
- **San Diego Programing/Abstract deadlines**
 - Submit abstracts!!!
- **CANN Report (Julia)**
 - Making good progress on draft of admin manual
 - Looking for advice or tips on this from those that have worked on them before
 - Working on membership – up to 256 members
 - Working with ACS on third party registration
 - trying to provide giveaways for students at meetings
 - Agreement with publication Terpenes and Testing for CANN to provide content and articles in exchange for advertising space Funding looking good
 - We are currently deliberating with several publishers regarding publishing our proceedings and officially hosting journal club. We will contact CHAS once we are in the more formative stages of this arrangement
 - Touched base with Mary Beth regarding our PNL and other financing items- thank you Mary Beth!
 - We should have some sponsorship pledges finalized within the next two months
 - Working with Hanna (company??) on
 - Have no interim secretary besides Julia
 - Fundacion CANNA- new contract incorporating only the European symposium. Expected to disseminate within the next week. We would like to still continue efforts toward the internship, with a longer timeline in mind
 - Still no secretary, aim to have an interim secretary by the meeting in Orlando
- **Other Business**
 - Are we interested in planning another strategic plan
 - Reduced cost to do as update and we do prep-work in advance
 - Need ballot names for Chair elect and Councilor to present in Orlando

Attendance Confirmed

4 Attachments:

- 1. January Minutes**
- 2. Annual Report - Treasurer**
- 3. Annual Report - Chair**
- 4. AI 708 - Student Award**

Respectfully submitted,
Monique Wilhelm

TREASURER'S REPORT

Orlando, FL 2019

Mary Beth Koza

Data as of 3 March 2019

Treasurer's comments

- Reimbursement requests due:
 - **1 May 2019**
 - Send reimbursement requests to
 - Mary Beth Koza (mbkoza2@gmail.com)
 - Note address changes in transmittal email & on form
 - All receipts in single PDF; XL file as Excel
 - Name files: Yourlastname_Orlando_2019
- Financial condition of CHAS: Transition

BALANCE SHEET SUMMARY

		As of ...	23 July 2018	31 December 2018
ASSETS				
	Current Assets			
		Checking/Savings	\$ 58,988	\$60,074
	Investments			
	TIAA-CREF inception value as of 1/6/2015			
		\$89,514	\$105,606	\$97,702
	Reserve Goal: 1.5 x Operating Budget	\$189,750		
TOTAL ASSETS				
LIABILITIES & EQUITY	Liabilities		\$0	\$0
	Equity		\$164,594	\$157,776
TOTAL LIABILITIES & EQUITY			\$164,594	\$157,776

BUDGET SUMMARY

Calendar Year, 2018

	Budget, \$	Actual, \$
Income	\$126,500	124,856
Expenses	\$126500	115,170
Operating Gain/Loss	\$0	9,686

BUDGET SUMMARY

2019 Calendar

Year to date

	Budget, \$	Actual, \$
Income	\$120,700	1,055.91
Expenses	\$120,700	9,865.11
Operating Gain/Loss	\$0	-8,809.20

2019 Dues + \$36 Journal

- Regular Member 12
- Division Affiliate 42
- Society Affiliate 42
- Student Member 1
(Grad/Undergrad)
- Emeritus Status 0

2020 Dues

- Regular Member 12
- Division Affiliate 42
- Society Affiliate 42
- Student Member 1
(Grad/Undergrad)
- Emeritus Status 0

FINANCIAL DETAILS

- Documentation Attached
 - Balance Sheet 2016-2018
 - 2018 Profit & Loss Statement
 - 2019 Profit & Loss Statement 3-3-2019
 - CANN P&L all and current year
 - CANN Transaction Statement

Division of Chemical Health & Safety

BALANCE SHEET

As of December 31, 2018

	DEC 31, 2016	JAN - DEC 2017	JAN - DEC 2018
ASSETS			
Current Assets			
Bank Accounts			
Bank Fee	1,330	317	317
CH1A CHECKING	54,789	46,339	56,000
Total Bank Accounts	\$56,119	\$46,656	\$56,317
Accounts Receivable			
1200 Accounts Receivable	0	1,400	0
Total Accounts Receivable	\$0	\$1,400	\$0
Other Current Assets			
1499 Undeposited Funds	0	0	25
Total Other Current Assets	\$0	\$0	\$25
Total Current Assets	\$56,119	\$48,056	\$56,342
Other Assets			
C INVESTMENTS & OTHER ASSETS	-1,421	-1,421	-5,226
C1 INVESTMENTS/ASSETS - UNRESTR.			
C1D2 AMERIPRISE MUTUAL	-8,199	-8,199	-8,199
C1D2-1 FMV Adjustment, Ameriprise	8,227	8,227	8,227
C1D2-2 Ameriprise Settlement Fund	-28	-28	-28
Total C1D2 AMERIPRISE MUTUAL	0	0	0
Total C1 INVESTMENTS/ASSETS - UNRESTR.	0	0	0
C4 TIAA-CREF	92,121	101,801	105,606
Total C INVESTMENTS & OTHER ASSETS	90,700	100,380	100,380
Total Other Assets	\$90,700	\$100,380	\$100,380
TOTAL ASSETS	\$146,818	\$148,437	\$156,722
LIABILITIES AND EQUITY			
Liabilities			
Current Liabilities			
Accounts Payable			
2000 Accounts Payable	0	0	0
Total Accounts Payable	\$0	\$0	\$0
Credit Cards			
CHAS DEBIT CARD	0	0	0
Total Credit Cards	\$0	\$0	\$0
Total Current Liabilities	\$0	\$0	\$0
Total Liabilities	\$0	\$0	\$0
Equity			
1110 Retained Earnings	122,419	146,818	148,437
Net Income	24,399	1,618	8,286
Total Equity	\$146,818	\$148,437	\$156,722
TOTAL LIABILITIES AND EQUITY	\$146,818	\$148,437	\$156,722

Division of Chemical Health & Safety

PROFIT AND LOSS

January - December 2018

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1E INNOVATIVE PROJECT FUNDING	
A1E11 RAMP_ORGANIC_2018	7,500.00
Total A1E INNOVATIVE PROJECT FUNDING	7,500.00
A1F DONATIONS	1,650.00
A1F2 DONATION CANN SUBDIVISION	5,550.00
A1F2A Heidolph North America	7,500.00
A1F2B Perkin-Elmer CANN Donation	10,195.20
Total A1F2 DONATION CANN SUBDIVISION	23,245.20
A1F3 AMAZON Smile	67.06
Total A1F DONATIONS	24,962.26
A1G OTHER CONTRIBUTIONS	1,000.00
A1I REBATE FROM ACS	
A1I1 Councilor Expenses	2,163.11
A1I2 Div. Officer Expenses	1,900.00
A1I4 Sec. Oper. Expenses	700.00
Total A1I REBATE FROM ACS	4,763.11
Total A1 CONTRIBUTIONS	38,225.37
A4 CONF/WORKSHOPS/MEETINGS	
A4A WORKSHOPS	-1,825.00
A4A1 CHO WORKSHOP	12,325.00
A4A10 GRAD STUDENT SAFETY WRKSH	50.00
A4A2 LAB SAFETY WORKSHOP	5,825.00
A4A3 HAZWASTE WORKSHOP	7,225.00
A4A5 REACTIVES WORKSHOP	1,700.00
A4A7 CANNABIS WORKSHOP	1,700.00
Total A4A WORKSHOPS	27,000.00
Total A4 CONF/WORKSHOPS/MEETINGS	27,000.00
A5 DUES & ASSESSMENTS	
A5A ACS DUES - JAN - JUNE	25,250.00
A5B ACS DUES - JULY - DEC	20,949.00
A5D ANNUAL ALLOCATION FROM ACS	11,381.36
Total A5 DUES & ASSESSMENTS	57,580.36
A8 OTHER	
A8B MISCELLANEOUS	
A8B2 Exhibit Hall Fee	3,300.00
Total A8B MISCELLANEOUS	3,300.00
Total A8 OTHER	3,300.00
Services	-1,250.00
Total Income	\$124,855.73
GROSS PROFIT	\$124,855.73

	TOTAL
Expenses	
B1 CONTRIBUTIONS EXP.	
B1A MEETING GRANTS/AWARDS	
B1A1 Collegeiate Lab Safety Award	1,000.00
B1A4 OTHER AWARDS	98.89
B1A5 AWARDS COMMITTEE EXPENSES	709.00
Total B1A MEETING GRANTS/AWARDS	1,807.89
B1B INNOVATIVE FUNDING EXPENSE	
B1B10 2017 Video Development	7,500.00
Total B1B INNOVATIVE FUNDING EXPENSE	7,500.00
Total B1 CONTRIBUTIONS EXP.	9,307.89
B2 NATIONAL MEETING EXPENSES	
B2A3 Other Miscellaneous Service Cost	1,900.00
B2B GUEST REGISTRATION	720.00
B2E PLANNING EXPENSES	
B2E1 EXEC. COMM. MEETING	
B2E1a A/V Expenses	812.94
B2E1b REFRESHMENTS	4,975.80
Total B2E1 EXEC. COMM. MEETING	5,788.74
B2E2 STRATEGIC PLANNING	240.00
Total B2E PLANNING EXPENSES	6,028.74
B2G A/V EQUIPMENT FEES	1,416.68
Total B2 NATIONAL MEETING EXPENSES	10,065.42
B5 PUBLICATION EXPENSES	
B5E POSTAGE & SHIPPING	
B5E2 SHIPPING	287.03
Total B5E POSTAGE & SHIPPING	287.03
B5F OTHER	
B5F1 JCHAS Expenses	5,910.00
B5F1a JCHAS (Subs paid Elsevier)	28,200.00
Total B5F1 JCHAS Expenses	34,110.00
Total B5F OTHER	34,110.00
Total B5 PUBLICATION EXPENSES	34,397.03
B6 CONF/WORKSHOPS/MEETINGS EXP	
B6B OTHER	
B6B1 LAB SAFETY WORKSHOP	
B6B1b SAFETY INSTRUCTOR EXP	32.90
B6B1c SAFETY MANUALS, etc	756.00
B6B1d LSW Profit Sharing	1,021.04
Total B6B1 LAB SAFETY WORKSHOP	1,809.94
B6B2 CHO WORKSHOP	300.00
B6B2a CHO INSTRUCTOR FEE	150.00
B6B2b CHO INSTRUCTOR EXP	32.90
B6B2c CHO MANUALS, etc.	900.00
B6B2d CHO Profit Sharing	3,471.56
Total B6B2 CHO WORKSHOP	4,854.46
B6B3 HAZARDOUS WASTE WORKSHOP EXP	
B6B3a HAZWASTE INSTRUCTOR FEE	600.00

	TOTAL
B6B3c HAZWASTE MANUALS, etc	540.00
B6B3d LAB WASTE Profit Sharing	1,918.80
Total B6B3 HAZARDOUS WASTE WORKSHOP EXP	3,058.80
B6B7 Reactives Workshop	
B6B7a REACTIVES INSTRUCTOR FEE	300.00
B6B7c REACTIVES MATERIALS	280.00
B6B7d REACTIVES PROFIT SHARING	454.64
Total B6B7 Reactives Workshop	1,034.64
Total B6B OTHER	10,757.84
B6B9 CANN WORKSHOPS	
B6B9a CANN INSTRUCTOR FEE	300.00
B6B9c CANN WORKSHOP MATERIALS	120.00
B6B9d CANN PROFIT SHARING	457.62
Total B6B9 CANN WORKSHOPS	877.62
B6D WORKSHOP A/V	2,016.13
B6E Workshop, Coffee	4,819.13
Total B6 CONF/WORKSHOPS/MEETINGS EXP	18,470.72
B7 ADMINISTRATIVE	
B7A OFFICER EXP. (9A)	6,780.33
B7B COMMITTEE EXP	5,127.43
B7C COUNCILOR EXP	6,861.47
B7D NATIONAL MTG TRAVEL/MEAL EXP	250.00
B7F DLC/P2C2 CONF EXP	579.50
B7F1 DLC ATTENDEE EXP	425.00
Total B7F DLC/P2C2 CONF EXP	1,004.50
B7H ELECTION EXPENSES (9G)	360.00
Total B7 ADMINISTRATIVE	20,383.73
B8 OTHER EXP (9G)	
B8A CREDIT CARD PROCESSING FEE	1,041.50
B8B ACCOUNTING EXPENSES	645.00
B8C ADVERTISING	484.95
B8D EXHIBIT HALL PRESENCE	1,527.16
Total B8 OTHER EXP (9G)	3,698.61
B9 CANNABIS SUBDIV EXP	1,019.00
B9A1 Advertising/Promotional	5,715.96
B9A2 Heidolph North America scholarship	7,788.42
B9A3 Perkin-Elmer CANN expenses	3,040.00
B9A5 CANN ADMIN & POSTAGE	1,283.18
Total B9 CANNABIS SUBDIV EXP	18,846.56
Total Expenses	\$115,169.96
NET OPERATING INCOME	\$9,685.77
NET INCOME	\$9,685.77

Division of Chemical Health & Safety

PROFIT AND LOSS

January 1 - March 3, 2019

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F3 AMAZON Smile	55.91
Total A1F DONATIONS	55.91
A1H NEW MEMBER COMMISSIONS	1,000.00
Total A1 CONTRIBUTIONS	1,055.91
Total Income	\$1,055.91
GROSS PROFIT	\$1,055.91
Expenses	
B1 CONTRIBUTIONS EXP.	
B1A MEETING GRANTS/AWARDS	
B1A1 Collegeiate Lab Safety Award	1,082.16
Total B1A MEETING GRANTS/AWARDS	1,082.16
Total B1 CONTRIBUTIONS EXP.	1,082.16
B2 NATIONAL MEETING EXPENSES	
B2A3 Other Miscellaneous Service Cost	1,470.00
B2E PLANNING EXPENSES	
B2E2 STRATEGIC PLANNING	40.00
Total B2E PLANNING EXPENSES	40.00
Total B2 NATIONAL MEETING EXPENSES	1,510.00
B5 PUBLICATION EXPENSES	
B5F OTHER	
B5F1 JCHAS Expenses	
B5F1a JCHAS (Subs paid Elsevier)	6,834.00
Total B5F1 JCHAS Expenses	6,834.00
Total B5F OTHER	6,834.00
Total B5 PUBLICATION EXPENSES	6,834.00
B7 ADMINISTRATIVE	
B7F DLC/P2C2 CONF EXP	
B7F1 DLC ATTENDEE EXP	345.96
Total B7F DLC/P2C2 CONF EXP	345.96
B7G SUPPLIES & OPERATIONS (9G)	12.99
B7G1 POSTAGE	50.00
Total B7G SUPPLIES & OPERATIONS (9G)	62.99
Total B7 ADMINISTRATIVE	408.95
B8 OTHER EXP (9G)	
B8A CREDIT CARD PROCESSING FEE	30.00
Total B8 OTHER EXP (9G)	30.00
Total Expenses	\$9,865.11
NET OPERATING INCOME	\$ -8,809.20

	TOTAL
NET INCOME	\$ -8,809.20

Division of Chemical Health & Safety

CANN P&L

January 1, 2018 - March 3, 2019

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F2 DONATION CANN SUBDIVISION	5,550.00
Total A1F DONATIONS	5,550.00
Total A1 CONTRIBUTIONS	5,550.00
Total Income	\$5,550.00
GROSS PROFIT	\$5,550.00
Expenses	
B9 CANNABIS SUBDIV EXP	1,019.00
B9A1 Advertising/Promotional	5,715.96
Total B9 CANNABIS SUBDIV EXP	6,734.96
Total Expenses	\$6,734.96
NET OPERATING INCOME	\$ -1,184.96
NET INCOME	\$ -1,184.96

Division of Chemical Health & Safety

CANN P&L

All Dates

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F2 DONATION CANN SUBDIVISION	33,906.92
Total A1F DONATIONS	33,906.92
Total A1 CONTRIBUTIONS	33,906.92
Total Income	\$33,906.92
GROSS PROFIT	\$33,906.92
Expenses	
B9 CANNABIS SUBDIV EXP	9,215.23
B9A1 Advertising/Promotional	14,164.75
Total B9 CANNABIS SUBDIV EXP	23,379.98
Total Expenses	\$23,379.98
NET OPERATING INCOME	\$10,526.94
NET INCOME	\$10,526.94

Division of Chemical Health & Safety

TRANSACTION REPORT

All Dates

DATE	TRANSACTION TYPE	NUM	NAME	MEMO/DESCRIPTION	ACCOUNT	SPLIT	AMOUNT	BALANCE
Invoice								
02/17/2016	Invoice	75	JEFFREY RABER	Donation to support CANN activity	A1F2 CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION	1200 Accounts Receivable	500.00	500.00
02/18/2016	Invoice	76	PERKIN ELMER COMPANY Michele Romero	Donation to support CANN activity	A1F2 CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION	1200 Accounts Receivable	2,500.00	3,000.00
08/12/2016	Invoice	134	JEN KITCHEN	Donation to support CANN activity	A1F2 CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION	1200 Accounts Receivable	1,000.00	4,000.00
12/22/2016	Invoice	137	PERKIN ELMER COMPANY Michele Romero	Donation to support CANN activity	A1F2 CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION	1200 Accounts Receivable	7,000.00	11,000.00
09/15/2017	Invoice	204	WATERS CORPORATION	Donation to support CANN activity Luncheon Sponsor	A1F2 CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION	1200 Accounts Receivable	4,721.92	15,721.92
02/21/2018	Invoice	209	SHELDON LOTSPEICH (deleted)	Donation to support CANN activity in NOLA	A1F2 CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION	1200 Accounts Receivable	800.00	16,521.92
06/12/2018	Invoice	240	DAVID MARELIUS	Donation to support CANN activity	A1F2 CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION	1200 Accounts Receivable	1,000.00	17,521.92
Total for Invoice							\$17,521.92	
Bill								
03/17/2016	Bill		Russ Phifer	CANN MATERIALS	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	558.60	558.60
03/23/2016	Bill		ADVANCED CHEMICAL SAFETY, INC. (deleted)	BANNER	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	109.03	667.63
03/31/2016	Bill		EZRA PRYOR	EXHIBIT HALL MATERIALS	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	181.75	849.38
05/27/2016	Bill		BETH WATERFALL	SUPPORT FOR CANN EVENT PER EP	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	250.00	1,099.38
06/20/2016	Bill		American Chemical Society	DUES FOR KYLE BOYAR CANN	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	78.00	1,177.38
09/19/2016	Bill		EZRA PRYOR	CANN EXPENSES PHL	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	1,078.01	2,255.39
09/19/2016	Bill		MELISSA JANINE WILCOX	CANN EXPENSES PHL	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	149.53	2,404.92
11/17/2016	Bill		TYRELL TOWLE	NETWORKING EVENT	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	155.60	2,560.52
11/28/2016	Bill		EZRA PRYOR	DENVER EVENT	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	247.50	2,808.02
03/10/2017	Bill		ANDREW PHAM	LOGO ARTWORK	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	300.00	3,108.02
03/15/2017	Bill		MELISSA JANINE WILCOX	PERKIN ELMER SPONSORED EVENT	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	1,500.00	4,608.02
04/11/2017	Bill		BIG ROCK	Networking eventt	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	1,000.00	5,608.02
06/06/2017	Bill	5299	EZRA PRYOR	TORONTO EVENT SUPPORTED BY PERKIN-ELMER	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	275.71	5,883.73
07/26/2017	Bill		American Chemical Society	CANN LUNCHEON IN SF	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	4,721.92	10,605.65
12/20/2017	Bill		EZRA PRYOR	postage, envelops, printing & custom hats	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	432.02	11,037.67
03/13/2018	Bill		NICK FISHENDEN	CANN WEB DEVELOPMENT	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	500.00	11,537.67
03/29/2018	Bill		ANDREW PHAM	New Orleans National Meeting promotional activities	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	562.65	12,100.32
04/03/2018	Bill		EZRA PRYOR	advertising costs	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	354.47	12,454.79
06/26/2018	Bill		EZRA PRYOR	MJBizCon Next in New Orleans	B9 CANNABIS SUBDIV EXP	2000 Accounts Payable	1,019.00	13,473.79
07/02/2018	Bill		Amber Wise	Event space rental - ACS CANN subdivision hosted a joint meeting with CANN-STEM, a Seattle-based cannabis science group.	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	800.00	14,273.79
09/06/2018	Bill		ANDREW PHAM	stickers, filers and hats	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	730.43	15,004.22
12/03/2018	Bill		Metta Research & Design, LLC	MJ BIZ CONFERENCE	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	377.38	15,381.60
Total for Bill							\$15,381.60	
Deposit								
02/03/2016	Deposit			BKOFAMERICA ATM 02/03 #000004263	A1F2 CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION	CH1A CHECKING	300.00	300.00
03/02/2016	Deposit			BKOFAMERICA MOBILE	A1F2	CH1A CHECKING	1,995.00	2,295.00

DATE	TRANSACTION TYPE	NUM	NAME	MEMO/DESCRIPTION	ACCOUNT	SPLIT	AMOUNT	BALANCE
				03/02 3422984	CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
05/13/2016	Deposit			SC LABORATORY	A1F2	CH1A CHECKING	500.00	2,795.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
05/25/2016	Deposit		EZRA PRYOR	EZRA PRYOR	A1F2	CH1A CHECKING	300.00	3,095.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
06/30/2016	Deposit		EZRA PRYOR	EZRA PRYOR	A1F2	CH1A CHECKING	500.00	3,595.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
08/12/2016	Deposit			SUNX LAB	A1F2	CH1A CHECKING	500.00	4,095.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
08/18/2016	Deposit		PayPal	PAYPAL DES:TRANSFER ID:4PXJ29SQ7	A1F2	CH1A CHECKING	1,000.00	5,095.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
08/31/2016	Deposit			GOOSE GREENS	A1F2	CH1A CHECKING	1,000.00	6,095.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
09/07/2016	Deposit		EZRA PRYOR	HEIDOLPH NA LLC	A1F2	CH1A CHECKING	2,000.00	8,095.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
10/06/2016	Deposit		EDEN LABS LLC	CANN DONATION	A1F2	CH1A CHECKING	500.00	8,595.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
01/03/2017	Deposit		SC LAB	BKOFAMERICA ATM 01/03 #000004792	A1F2	CH1A CHECKING	500.00	9,095.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
01/30/2017	Deposit		EDEN LABS LLC	BKOFAMERICA MOBILE 01/29 3519876	A1F2	CH1A CHECKING	40.00	9,135.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
07/21/2017	Deposit		WATERS CORPORATION	Counter Credit	A1F2	CH1A CHECKING	2,500.00	11,635.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
12/06/2017	Deposit		JEFFREY RABER	BKOFAMERICA MOBILE 12/07 3625892	A1F2	CH1A CHECKING	500.00	12,135.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
12/28/2017	Deposit		JEFFREY RABER	BKOFAMERICA MOBILE 12/28 3634598	A1F2	CH1A CHECKING	500.00	12,635.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
05/03/2018	Deposit		WORKSHOPS - DIVISION:Shawnta Woods- Chatman (deleted)	The WERC Shoppe	A1F2	CH1A CHECKING	500.00	13,135.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
07/02/2018	Deposit		DAVID MARELIUS	BKOFAMERICA MOBILE 07/01 3703629	A1F2	CH1A CHECKING	3,000.00	16,135.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
12/03/2018	Deposit			PAYPAL DES:TRANSFER ID:1004392161935 INDN:NEAL LANGERMAN CO ID:PAYPALSD11 PPD	A1F2	CH1A CHECKING	250.00	16,385.00
					CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION			
Total for Deposit							\$16,385.00	
Expense								
02/24/2016	Expense			CHECKCARD 0222 AMERICAN CHEMICAL	B9 CANNABIS SUBDIV EXP	CH1A CHECKING	78.00	78.00
02/24/2016	Expense			CHECKCARD 0222 AMERICAN CHEMICAL	B9 CANNABIS SUBDIV EXP	CH1A CHECKING	78.00	156.00
02/24/2016	Expense			CHECKCARD 0222 AMERICAN CHEMICAL	B9 CANNABIS SUBDIV EXP	CH1A CHECKING	37.00	193.00
02/24/2016	Expense			CHECKCARD 0222 AMERICAN CHEMICAL	B9 CANNABIS SUBDIV EXP	CH1A CHECKING	78.00	271.00
03/17/2016	Expense			SD EXHIBIT HALL SPACE	B9 CANNABIS SUBDIV EXP	CH1A CHECKING	1,300.00	1,571.00
06/10/2016	Expense			CHECKCARD 0609 INFORMATION FOREC	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	CH1A CHECKING	1,500.00	3,071.00
03/20/2017	Expense			CHECKCARD 0317 IPY*The Monterey	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	CH1A CHECKING	610.00	3,681.00
04/06/2017	Expense			CHECKCARD 0404 JILLIAN'S BILLISAR	B9 CANNABIS SUBDIV EXP	CH1A CHECKING	1,326.35	5,007.35
12/11/2017	Expense		ACS	CHECKCARD 1208 ACS EXPOSITIONS 8	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	CH1A CHECKING	600.00	5,607.35
01/17/2018	Expense			Scanner for NOLA meeting	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	CH1A CHECKING	455.00	6,062.35
02/09/2018	Expense			Booth furnishing - NOLA	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	CH1A CHECKING	217.00	6,279.35
03/05/2018	Expense			PARADE PERMIT NOLA CANN	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	CH1A CHECKING	102.71	6,382.06
03/14/2018	Expense			NOLA PD PARADE PERMIT	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	CH1A CHECKING	397.92	6,779.98
08/23/2018	Expense			LUCKY'S PURCHASE BOSTON MA	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	CH1A CHECKING	1,218.40	7,998.38

DATE	TRANSACTION TYPE	NUM	NAME	MEMO/DESCRIPTION	ACCOUNT	SPLIT	AMOUNT	BALANCE
Total for Expense							\$7,998.38	
TOTAL							\$57,286.90	

**Past Chair Report
Spring 2019, Orlando, FL – 257th National Meeting**

2018 was a very good year for the Division of Chemical Health and Safety and I want to start by thanking the Division for giving me the honor to serve as its leader the past year as well as thanking all of the volunteer Officers, Committee chairs and members for their efforts that made it great!

We continue to receive strong support from the Society and its leadership in making Safety a priority. This manifested itself in the first ACS Safety Summit convened by President Peter Dorhout and attended by several officers and members of CHAS. Two ACS Webinars focused on safety and presented by CHAS members in 2018 followed by another in early 2019 garnered some of the largest numbers of attendees that the ACS Webinars have seen and the feedback from the attendees has been overwhelmingly positive. Finally, collaborations with the new ACS Safety Office and continuing collaborations with the Committee on Chemical Safety have allowed us to be more strategic in the use of our resources and our focus on our members through cooperation on the Exhibition booth and combined meetings with CCS.

With this support, the Division has made great achievements. In the past 12 months, our membership has increased by 20% (we have 1376 members as of January 2019), and for the first time in six years, we are starting the year with over 1300 members. Our programming at National meetings has grown to effectively two concurrent sessions with help from our Cannabis Subdivision and collaborative programming with the ACS President and other technical divisions. Members of our EC developed programming for several regional meetings in the past year and even participated in some international activities, and our Workshops held at the Fall meeting attracted a record number of participants!

A lot of our growth has come from our new members and volunteers. The Cannabis subdivision continues to grow and represents almost 15% of our total membership at this point, and they continue to show us innovative ways to recruit new members and communicate their efforts (kudos on the parade in New Orleans!). At the same time the new volunteers and officers from CANN and from the traditional CHAS organization have struggled to understand how ACS and the Division works and those of us with the institutional knowledge have to continue to communicate this and support their development as the future leaders!

In wrapping this up, it feels to me that 2018 was the year we turned the corner on a great many things, from changes in leadership and the journal to a renewed focus on safety and membership in the Division and Society. I feel that we will continue to be on the right track for years to come under Sammye's and Robin's leadership, and I encourage everyone on the EC to work hard continue to show value to our members, keep them informed of what we are doing and make CHAS inclusive for everyone who has the slightest interest in Chemical Safety!

Past Chair Report (cont.)

For Action by the Committee: Approval of Revised Bylaws to be submitted to the Division Membership for their Acceptance

In accordance with Society requirements, the Bylaws for the Division are required to be updated or at least submitted for review by the ACS Council every ten years. In accordance with these requirements (as stated in the current division bylaws), a proposed revision to the bylaws was submitted to the EC at the 2018 Fall National Meeting. After significant communication and negotiation between the EC and the Committee on Constitution and Bylaws (C&B), a final revision has been made and is being submitted to the EC for their approval at the 2019 Spring National Meeting. Once approved by the EC, the bylaws must be submitted to the Division Membership for their Acceptance, and it is proposed that this is done concurrently with the 2020 Officer Elections.

The final revision to the Bylaws is attached to this document. Although the Division bylaws were significantly reworded and reorganized, the resulting changes do not significantly change how the division has or will continue to operate. The two changes of substance that were made with respect to the existing bylaws to address the wishes of the CHAS EC as well as meet the requirements of being consistent with the Society bylaws are as follows:

- Adds as a requirement, an annual audit to be conducted by two or more disinterested persons. *Note: C&B clarified that the while the name of the audit could not be reworded as "review", it does not need to be conducted by an outside organization, and further clarified that the treasurer and assistant treasurer would not be considered "disinterested persons". The phrasing allows for the Division to define in its administrative manual, the specifics of the conduct of the audit beyond these constraints including the use of the Division Chair and Chair-Elect as disinterested parties.*
- Removes the Publications Committee from the list of standing committees in recognition of the recent changes to the Journal. *Note: If the need for a publications or any other committee is determined in the future, this could be done as a non-standing committee and managed through the Division administrative manual*

For Action by the Committee: Approval of Slate of Candidates for 2019 Election (to start January 2020)

The following elected officer positions will be open next year: **Chair-Elect** and **Councilor/alternate councilor**. Our current Bylaws indicate that "The slate shall consist of at least one nominee for each office except that the slate for Councilors and Alternate Councilors shall not designate either office and shall consist of at least one more nominee than the total of vacancies in the office of Councilor and Alternate Councilor." As of the end of February, a second candidate for the Councilor/alt-Councilor position has not been identified. The slate will therefore be presented to the

EC at the Spring meeting such that Candidate profiles can be submitted within the prescribed two weeks following the meeting to support a late Spring election.

**Councilor Report
Spring 2019, Orlando, FL – 257th National Meeting**

Activities between National Meetings for this year has been fairly light. The Committee on Science in conjunction with the Committee on Environmental Improvement have been working on a background document on Synthetic Biology, which if you have been following the news has been an increasingly hot topic. ACS has yet to take or make an official policy statement related to Synthetic Biology.

This meeting's Council Agenda features two traditional tasks, the narrowing of the Presidential Slate, and the dues vote. This year the four candidates speaking before Council are: Magid Abou-Gharbia, H. N. Cheng, Carol A. Duane, and Christopher J. Welch. There will be a Presidential Town Hall meeting on Sunday, March 31 in the Hilton Orlando Hotel, Orland V & VI at 4:30 pm. The proposed dues for 2020 are \$180.

The big topic is likely to be the proposal for a by-law change which is designed to streamline the ACS governance structure. In many cases, the by-law change will be cleaning up archaic language currently in the by-laws, however, there some changes that have generated great discussion. There is a new section that defines "units" of the Society, these include local sections, divisions, and international chapters. There are changes in how to amend the by-laws and the incorporation of "Standing Rules." It is a fairly comprehensive document. If you wish to see the proposed changes they are included in the Council Agenda which can be found <https://www.acs.org/content/dam/acsorg/about/governance/councilors/council-agenda-4-19.pdf>. This has been before Council a couple of times. The first time it was sent back for more work. At the last meeting, it was presented for information. We encourage you to look at the proposal and make comment so that as your Councilors we can provide your input.

**Members at Large Report
Spring 2019, Orlando, FL – 257th National Meeting**

Submitted by: Ellen Sweet and Dan Kuespert

- A. American Industrial Hygiene Association
 - a. A subcommittee within the Lab Health and Safety Committee (LHSC) is developing guidelines tentatively titled: Airborne Hazard Risk Assessment to Establish Ventilation Performance Requirements for Labs and Critical Hazardous Workspace Environments
 - i. This is a companion guidance document from the TC9.1 within ASHRAE titled: Classification of Laboratory Ventilation Design Levels
 - b. ASHRAE Standard 110: Method of Test: Performance of Laboratory Fume Hoods Committee forming to revise the standard. Will use results from tracer gas research project in progress. Project has been underway for about 9 months, they have tried many different types of gasses and testing methods. The results is a reduction in tracer gas testing cost by about 20%. (ASHRAE Project Committee) when they are done with validation, then it will be expected to present at a conference, then after it would be okay to do a webinar through AIHA on the new tracer gas and standard.
 - i. ASHRAE is looking for people who would like to be included in the update process. Contact Jim Coogan if interested. Jan Utrecht suggested making contact with CHEMA to see if anyone in that organization might be interested in participating.
- B. ACS Committee on Chemical Safety
 - a. Insert Ralph
 - b. Revisions of ACS policy statements- report being delivered by Kali.
- C. ACS Division of Chemical Education
 - a. Dave Finster
- D. National Registry of Certified Chemists
 - a. Russ
- E. International Activities Committee, per Doug Walters?



Division of Chemical Health and Safety Cannabis Chemistry Subdivision Report

Spring 2019, Orlando, FL - 257th National Meeting

CANN Executive Committee

Chair

Julia Bramante

jmbramante@gmail.com

Vice Chair

Kyle Boyar

itskybo@gmail.com

Past Chair

Andrew Pham

phamcongandrew@gmail.com

Interim Secretary

Melissa Wilcox

mjwilcox361@gmail.com

Programming Committee Chair

Markus Roggen

roggenmarkus@gmail.com

Membership Committee Chair

Ezra Pryor

ezra.pryor@gmail.com

Social Committee Chair

Brittaney Dowd

bdowd004@fiu.edu

Scholarship Committee Chair

Kyle Boyar

itskybo@gmail.com

Safety Committee Chair

Peter Davis

peter.davis@state.co.us



CANNABIS CHEMISTRY SUBDIVISION OF CHEMICAL HEALTH AND SAFETY AT ACS

Development Committee Chair

Ezra Pryor

ezra.pryor@gmail.com

Senior Advisory Committee Chair

Harry Elston

harry.elston@gmail.com

Publication Committee Chair

Nigam Arora

nbarora90@gmail.com

Chinese Section Chair

Hang Ma

hang_ma@uri.edu

Journal Club Chair

Matthew Lopez

mattrocity818@gmail.com

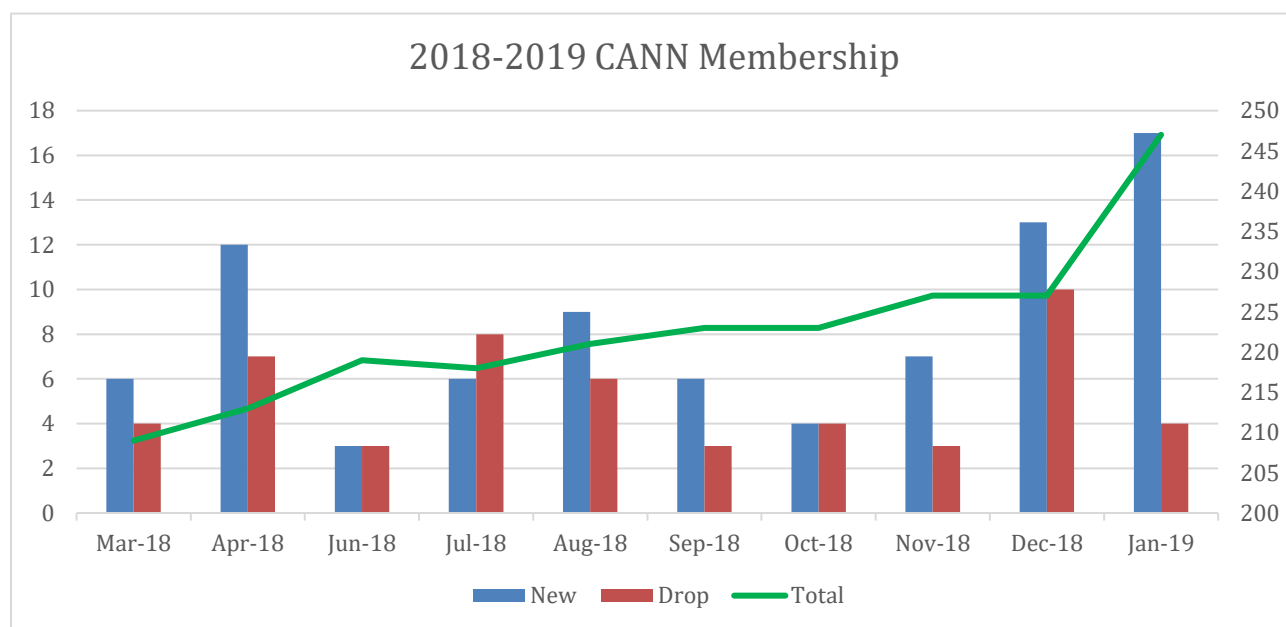
Membership Committee

Total Members as of January 2019:

❖ 247 Members

CANN's total membership has steadily grown throughout the year of 2018 and into the beginning of 2019. We are currently working with CHAS and ACS on developing a streamlined system by which new members can easily join ACS/CHAS/CANN, with the intention that these efforts will continue to increase the rate of our membership growth for the Subdivision, Division, and Society overall.

The new Membership Committee Chair, Ezra Pryor, has put forth several action items for the committee to monitor and contact our membership drop list, gain referrals for potential new members, and further develop and clearly define membership benefits.



Programming Committee

Spring 2019, Orlando, FL 257th National Meeting Schedule of Events

Monday, April 1st, 2019

- ❖ CANN EC Meeting
Time: 9:00 AM-11:00 AM
Location: TBD
- ❖ Symposium: Cannabis Chemistry's First Annual ElSohly Award Symposium
Time: 1:30 PM-4:25 PM
Location: Room W232C, Orange County Convention Center
- ❖ Orlando Spring 2019 Networking Event: CANN in conjunction with Perkin Elmer and Heidolph North America is hosting a networking event.
Time: 6:30 PM-9:30 PM
Location: The Pub Orlando
9101 International Dr. Suite 1003
Orlando, FL 32819

Tuesday, April 2nd, 2019

- ❖ Symposium: Cannabis Chemistry's First Annual ElSohly Award Symposium
Time: 9:00 AM-11:10 AM
Location: Room W232C, Orange County Convention Center

Wednesday, April 3rd, 2019

- ❖ Symposium: New Frontiers in Cannabis: Analytical Tools, Post-Processing, & Policy Directions
Time: 9:00 AM-12:10 PM
Location: Room W232C, Orange County Convention Center



Fall 2019, San Diego, CA 258th National Meeting Call for Papers Titles

- ❖ Cannabis and Water: Merging the Insoluble
- ❖ Water and Ice - Modern Advances on Traditional Cannabis Processing
- ❖ Cannabis and Water: Formulations That Create a Splash
- ❖ Cannabis Production: Streamlining the Flow
- ❖ Cannabis and Hemp Analytical Science: the glass is (more than) half-full
- ❖ The European Cannabis Research and Industry Leadership Symposium

Publication Committee

As of 2019, CANN formed a Publication Committee to support efforts in disseminating relevant information and providing education to the cannabis and scientific community. To date, the committee has accomplished the following:

- ❖ Commitment to provide six articles and four blog articles throughout the year of 2019 to a well-distributed cannabis science magazine- Terpenes and Testing of Mace Media Group.
- ❖ Initiative to publish proceedings from CANN's Scholarship Symposia following the Spring 2019 ACS National Meeting.

Safety Committee

The Safety Committee created "Safety Break Slides" to be displayed during CANN symposia sessions. The committee continues to identify and act upon opportunities to distribute educational materials that connect scientists and cannabis industry affiliates to knowledge regarding consumer and chemical health and safety.

CANN has appointed Peter Davis as its new Safety Committee Chair. Peter Davis is the Chemical Hygiene, Safety, and Biosafety Officer of the Colorado Department of Public Health and Environment Laboratory Services Division.

Scholarship Committee

ElSohly Award Summary

In conjunction with Heidolph North America, CANN is proud to again offer a scholarship award and symposium for leading researchers and scientists in the cannabis field. The scholarship symposium, recently named the ElSohly Award Symposium, will consist of two sessions at the Spring 2019 ACS National Meeting in Orlando, Florida. The four awardees selected to be presented at the first annual ElSohly Award Symposium are:

- ❖ Dr. Monica Vialpando
- ❖ Michael Coffin
- ❖ Bryant Jones
- ❖ Stephen Goldman

CANN Administrative Manual

The CANN Administrative Manual is scheduled to be presented as a completed first draft at the Spring 2019 ACS National Meeting.

Social Committee

CANN appointed a new Social Committee Chair, Brittaney Dowd, who has maintained CANN's social presence while also extending it into more social media platforms, with more frequent engagement and material posted.

Social Media Platforms

CANN maintains a strong presence on social media, actively utilizing Instagram, Facebook, and now LinkedIn.

Conference Presence

CANN will be co-exhibiting with C&EN at each Cannabis Science Conference:

- ❖ Spring 2019 - Baltimore, MD
- ❖ Fall 2019 - Portland, OR

Networking Events

CANN has two networking events scheduled for 2019 at each ACS National Meeting, with initiatives to add more networking events with sponsors throughout the year.



Journal Club

CANN continues to hold monthly journal club sessions highlighting advancements and research in the cannabis space.

There is a current initiative in progress to develop a more professional and communicative journal club hosting system that is anticipated to be completed in 2019.

Development Committee

Stemming from a fruitful year of fundraising in 2018, CANN is leading into 2019 with several prospects for continued and new sponsorship. Additionally, the Development Committee has recently initiated efforts to connect with potential and past donors for varying levels of sponsorship, and plans to continue these fundraising efforts throughout the year.

Chinese Section

As of 2019, CANN formed a Chinese Section to connect CANN to leaders in the scientific community in China. The Chinese Section Chair is Hang Ma, and the Chinese Section plans to develop initiatives throughout the year to progress the collective goal of global communication and collaboration for cannabis scientists.

***BYLAWS OF THE
DIVISION OF CHEMICAL HEALTH AND SAFETY
OF THE
AMERICAN CHEMICAL SOCIETY**

**BYLAW I
Name**

This organization shall be known as the Division of Division of Chemical Health and Safety, Inc., (hereinafter referred to as the “Division”) of the AMERICAN CHEMICAL SOCIETY (hereinafter referred to as the “SOCIETY”). The Division is incorporated under the laws of the District of Columbia.

**BYLAW II
Objects**

Section 1. The objects of the Division shall be those of the SOCIETY as stated in the Charter and Constitution of the SOCIETY. In particular, the objects shall be to:

- a. focus information on the properties of chemicals that affect humans directly or through the environment;
- b. monitor the technical aspects of the above;
- c. develop symposia and general sessions on topics related to the above at national, regional, divisional, and other meetings of the SOCIETY;
- d. foster publication and other modes of dissemination of information pertaining to the above; and
- e. provide expertise in chemical health and safety to the SOCIETY and, in the public interest, to others as specified in the Charter of the SOCIETY.

Section 2. Nothing in these bylaws shall be inconsistent with the Charter, Constitution, and Bylaws of the SOCIETY.

Section 3. The Division is organized exclusively for charitable, educational, and scientific purposes, including, for such purposes, the making of distributions to organizations that qualify as exempt organizations under Section 501(c)(3) of the Internal Revenue Code, or corresponding section of any future federal tax code.

**BYLAW III
Members and Affiliates**

***Effective TBD by C&B.** Approved, as amended, by the Committee on Constitution and Bylaws, acting for the Council of the AMERICAN CHEMICAL SOCIETY. (C&B: bylaws@acs.org; www.acs.org/bulletin5).

Section 1. Membership in the Division is open to all MEMBERS and STUDENT MEMBERS (hereinafter collectively referred to as “members”) of the SOCIETY. Any member of the SOCIETY may join the Division by enrolling with the Division and paying the established annual dues as mentioned elsewhere in these bylaws.

Section 2. STUDENT MEMBERS shall be entitled to all privileges of membership except that of holding an elective position of the SOCIETY. A STUDENT MEMBER may not serve as Councilor, Alternate Councilor, or the Temporary Substitute Councilor, but may hold an elective position of the Division as noted elsewhere in these bylaws and may be appointed as a committee chair.

Section 3. The Division may have Division Affiliates as authorized in the Constitution and Bylaws of the SOCIETY. A Division Affiliate shall retain affiliate status only so long as payment is made of Division Affiliate dues of not less than two dollars (\$2.00) per annum. A Division Affiliate may not (1) hold an elective position, (2) vote on Articles of Incorporation and bylaws, (3) vote for Councilor(s) or Alternate Councilor(s), (4) serve as voting member of the Executive Committee, or (5) be appointed as a committee chair. Except as mentioned above, a Division Affiliate may vote for an elective position of the Division.

Section 4. A Society Affiliate may become a Society Affiliate of the Division provided that Division dues established for Society Affiliates are paid. A Society Affiliate may not (1) hold any elective position(s), (2) vote for an elective position of the Division, (3) vote on Articles of Incorporation and bylaws of the Division, (4) vote for the Councilor(s) or Alternate Councilor(s), (5) serve as a voting member of the Executive Committee, or (6) be appointed as a committee chair.

Section 5. Members and affiliates shall have such rights and privileges as accorded to them by the Constitution and Bylaws of the SOCIETY and these bylaws.

Section 6. Any member or affiliate may resign from membership in the Division by submitting a resignation in writing to the Secretary of the Division; any dues previously paid shall not be refunded.

BYLAW IV

Officers, Executive Committee, and Councilor(s)

Section 1. The officers of the Division shall be members of the SOCIETY and the Division and shall consist of the Chair, Chair-Elect, Secretary, and Treasurer, and also the Councilor(s) and Alternate Councilor(s), which must be MEMBERS of the SOCIETY and the Division.

Section 2. The Board of Directors, hereinafter referred to as the “Executive Committee”, shall be the governing body of the Division and as such shall have full power to conduct, manage, and direct the business and affairs of the Division in accordance with the Constitution and Bylaws of the SOCIETY and these bylaws. The Executive Committee shall consist of the officers of the Division, the Immediate Past Chair, two Members-at-Large, and the chairs of the standing committees. The Members-at-Large shall be members of the SOCIETY and the Division.

Section 3. The Chair and Chair-Elect of the Division shall serve for a term of three years beginning on January 1 or until their successors are elected. At the end of the Chair-Elect’s term of office, the Chair-Elect shall succeed to the office of Chair. The Secretary and Treasurer shall serve for a term of three years beginning on January 1 or until their successors are elected; they shall be elected in separate years, whenever possible, to provide for a rotation of terms. The Members-at-Large shall serve for a term of three years beginning January 1, and shall be elected in separate years, whenever possible, to

provide for a rotation of terms. With the exception of the Chair and Chair-Elect, the incumbent of any position is eligible for reelection.

Section 4. The duties of the officers, except not for the Councilor(s) and Alternate Councilor(s), whose duties are noted below, and the duties of the Members-at-Large shall be such as usually pertain to their offices, together with those required by these bylaws and by the Constitution and Bylaws of the SOCIETY, and such other duties as may be assigned to them from time to time by the Executive Committee.

- a. The duties of the Chair shall be to preside at meetings of the Executive Committee, to carry into effect the decisions and recommendations of that Committee, to preside at meetings of the Division to conduct governance business, to appoint all committee chairs and committee members except as stated elsewhere in these bylaws, and to carry out the duties required by the Constitution and Bylaws of the SOCIETY.
- b. The duties of the Chair-Elect shall be to assist the Chair with the direction and management of the Division. In the absence of the Chair, the duties of the office shall devolve upon the Chair-Elect.
- c. The duties of the Secretary shall be to keep a record of the minutes of the meetings of the Division and of the Executive Committee, to maintain a list of members and affiliates, to send to members and affiliates such notices as the business of the Division may require, to submit a report to the Division at its annual meeting, and to carry out the duties required by the Constitution and Bylaws of the SOCIETY and elsewhere in these bylaws. The Secretary shall preside over meetings in the absence of both the Chair and Chair-Elect.
- d. The Treasurer shall have charge of the funds of the Division, keep an accurate record of all receipts and disbursements, receive dues, and make those disbursements approved by the Executive Committee. The Treasurer shall render an account of all transactions and of the financial condition of the Division to the Executive Committee at times set by the Committee, and shall submit such reports as are required by the Constitution and Bylaws of the SOCIETY.
- e. The duties of the Members-at-Large shall include bringing before the Executive Committee such items of concern to members of the Division that have been brought to their attention, as well as any duties assigned by the Executive Committee.

Section 5. Vacancies

- a. In the event of a vacancy in the office of Chair, the Chair-Elect shall assume the duties of Chair for the remainder of the term. In such case, the Chair-Elect moving into the position of Chair shall also hold that position during the normal term as Chair as part of the leadership transition.
- b. All other vacancies, except for Councilor(s) and Alternate Councilor(s), shall be filled by majority vote of the Executive Committee through interim appointment for the period up to the next annual election. At that time, the procedures for election as outlined in the bylaws of the Division shall be followed.
- c. An interim appointee to the vacated office of Chair-Elect shall not automatically succeed to the office of Chair. At the next election, both a Chair and a Chair-Elect shall be elected.

Section 6. Councilor(s), Alternate Councilor(s), and Temporary Substitute Councilor

- a. The Division shall have Councilor(s) and Alternate Councilor(s) as provided in the Constitution and Bylaws of the SOCIETY. The Division's Councilor(s) and Alternate Councilor(s) shall carry out those duties assigned to them by the Constitution and Bylaws of the SOCIETY. In particular, the Councilor(s) (or Alternate Councilor(s) or Temporary Substitute Councilor if so designated to serve in place of the Councilor for a particular meeting), shall attend meetings of the Council of the SOCIETY and represent the Division at such meetings.
- b. Councilor(s) and Alternate Councilor(s) shall be elected by ballot from among the MEMBERS for three-year terms beginning January 1. Reelection is permissible. Councilor(s) shall be elected in separate years, whenever possible, to provide for a rotation of terms in accordance with the Constitution of the SOCIETY. A partial term of one or two years shall be used whenever necessary to establish or to restore rotation of three-year terms provided that the Councilor and/or Alternate Councilor agree to the partial term before the election.
- c. In the event that a Councilor is unable to attend a specified meeting of the Council of the SOCIETY, the Chair of the Division shall appoint one of the Alternate Councilor(s) to serve as Councilor at the specified meeting. Such appointment of an Alternate Councilor shall be for only one meeting.
- d. If every Councilor and Alternate Councilor of the Division will be absent from a Council meeting, thus leaving the Division without representation at such meeting, the Executive Committee may designate one MEMBER of the Division as a Temporary Substitute Councilor in accordance with the Bylaws of the SOCIETY.
- e. The Executive Committee shall designate one or more Councilor(s) to be disqualified under the SOCIETY's Bylaw provisions for reallocation of Councilor(s) among the Divisions.
- f. Any vacancy in the position of Councilor or Alternate Councilor shall be filled for the remainder of the unexpired term at the time of the next annual election. The vacancy may be filled until the next annual election by appointment by the Executive Committee.

BYLAW V

Manner of Election

Section 1. The election of officers, except not the Councilor(s) and Alternate Councilor(s), and the Members-at-Large shall be conducted by a ballot distributed to the members and Division Affiliates of the Division in accordance with the Bylaws of the SOCIETY and these bylaws. Society Affiliates may not vote for any elective position(s) of the Division. Councilor(s) and Alternate Councilor(s) shall be elected by a ballot distributed to all members of the Division; affiliates may not vote for Councilor(s), and Alternate Councilor(s).

Section 2. In February of each year, the Nomination Committee shall report to the membership its nominations for each office to be filled. Prior to March 15, any member of the Division may, in writing or from the floor at a meeting to conduct governance business, nominate additional candidates for office, provided that the candidates are members of the Division, except that the Councilor(s) and Alternate Councilor(s) must be MEMBERS as required in the Bylaws of the SOCIETY and elsewhere in these bylaws, if the nomination is seconded by another member. Nominations so made shall be

equally valid as those from the Nomination Committee. All candidates nominated shall have indicated willingness to serve if elected.

Section 3. When a ballot is used, the candidates for each office and for Councilor(s)/Alternate Councilor(s) shall be listed in alphabetical order on a ballot to be distributed by November 1, only to eligible voters as noted above except that affiliates may not vote for Councilor(s)/Alternate Councilor(s). The ballot shall provide for a write-in candidate for each position to be filled. A paper ballot shall be provided to any eligible voter who requests it.

Section 4. The ballots shall be tabulated and validated not later than July 1. Except as noted below, the candidate for each position receiving the largest number of votes shall be declared elected. The Executive Committee may decide that for Councilor(s), the candidate(s) who receive the majority of votes shall be declared elected as Councilor(s); the candidate(s) who get the next largest number of votes shall be declared elected as Alternate Councilor(s). In case of a tie vote for any position, the Executive Committee, by ballot, shall elect from among the candidates who share the tie vote; the candidate receiving the largest number of votes shall be declared elected.

Section 5. The results shall be announced by the Division Chair or his or her designee as soon as possible after the election, and also published in the Division's newsletter and/or on the Division's website soon thereafter. The results shall be certified to the Executive Director of the SOCIETY not later than December 1.

Section 6. In accordance with the SOCIETY's Bylaws, balloting procedures should ensure fair balloting that is open to all eligible members, protection against fraudulent balloting, and the timely reporting and archiving of balloting results.

BYLAW VI

Recall of Elected Officials

Section 1. The elected officials of the Division (officers and elected Executive Committee members, except not Councilor(s) and Alternate Councilor(s)) are subject to recall for neglect of duties or conduct injurious to the SOCIETY. Recall procedures are not applicable to Councilor(s) and Alternate Councilor(s).

Section 2. The recall of an official shall be initiated when a signed petition, indicating in writing the specific charges and reasonable substantiating evidence, is submitted to the Chair from at least five members of the Division. In the event the Chair is the official in question, the Chair-Elect shall receive the petition and shall assume the duties of the Chair with respect to this issue until the issue is resolved.

Section 3. The Chair shall, without delay, determine that the petitioners are aware of the gravity of their actions and the procedures to be followed. The Chair shall seek an alternate resolution to the problem and a withdrawal of the petition at this time. In the absence of a resolution to the problem, the Chair shall notify the members of the Executive Committee and call a special meeting within thirty days.

- a. The Executive Committee shall promptly continue the recall process or dismiss the petition as ill-founded or find an alternative solution to the problem. The Chair shall promptly inform the petitioners and the official of the decision of the Executive Committee. If no contact with the official can be made after a reasonable effort, the Executive Committee may remove the official in question with a two-thirds (2/3) vote of the remaining members.

b. If the proceedings continue:

- (1) The Chair shall assign the duties of the official to another qualified member or MEMBER of the Division, as required elsewhere in these bylaws, until the issue is resolved.
- (2) The official shall be offered an opportunity to answer the allegations in the petition before the Executive Committee. A certified letter shall be sent to the last known address on the official SOCIETY membership roll. Upon notification, the official shall have thirty days to make a written response to the allegations.
- (3) The Executive Committee shall decide whether or not to proceed after studying the official's response. The Chair shall inform the official and the petitioners of the decision of the Executive Committee. If the Executive Committee decides that the proceedings shall continue, the official shall choose one of the following options:
 - (a) The official may resign.
 - (b) The official may request a recall vote. Division members shall be informed, through brief written statements prepared by the Executive Committee and the official, of the issues involved with the recall vote. Both statements shall be distributed to the members with the ballot. A paper ballot shall be provided to any member who requests it. At least two-thirds (2/3) of the votes cast shall be required for the official to be removed from office. The membership shall be informed of the results of the recall vote.
 - (c) The official may request a hearing and a recall vote by the remaining members of the Executive Committee. At least a two-thirds (2/3) vote of the remaining members of the Executive Committee shall be required to recall the official.
 - (d) The official may choose not to respond and thus forfeit the position.

Section 4. The vacancy provisions of these bylaws shall be used to fill a vacancy caused by a recall process. The Executive Director of the SOCIETY shall be informed of the recall and the filling of the vacancy.

BYLAW VII

Committees

Section 1. The Executive Committee shall establish committees as necessary for the proper operation of the Division. All committee members shall be members and/or affiliates of the SOCIETY and the Division.

Section 2. The Division shall have the following standing committees: Awards, Membership, Nominations, Programming, and Long-range Planning. The composition of each Standing Committee shall be at least two Division members, one of whom shall be appointed as chair by the Chair of the Division as mentioned elsewhere in these bylaws. Service on any one committee shall not exceed five years except by majority vote of the Executive Committee.

- a. Awards Committee: this committee shall administer such awards programs as may be established from time to time by the Executive Committee.
- b. Membership Committee: this committee shall solicit new members and affiliates for the Division and encourage members and affiliates to renew their membership or affiliation with the Division.
- c. Nominations Committee: as described elsewhere in these bylaws, this committee shall prepare a slate of candidates for office.
- d. Programming Committee
 - (1) The composition of this committee shall be at least three Division members, shall be appointed as chair by the Chair of the Division as mentioned elsewhere in these bylaws. Another member shall be designated as the anticipated successor to the committee chair.
 - (2) Duties and responsibilities shall include administering the programs and symposia of the Division at national and other meetings of the SOCIETY and at other meetings. The Programming Committee shall have authority to accept or reject papers submitted for presentation, in accordance with the ACS Governing Documents.
- e. Long-range Planning Committee: this committee shall make recommendations to the Executive Committee for policies and decisions that will promote the vitality of the Division, consistent with the objects of the Division.

BYLAW VIII

Meetings

Section 1. The Executive Committee shall designate the times and places of the Division's meetings as it finds necessary or desirable for the proper functioning of the Division. The Division shall hold at least one technical session annually; however, this requirement may be modified by the Executive Committee in accordance with the Bylaws of the SOCIETY.

Section 2. The annual meeting of the Division to conduct governance business shall be held at the time of a national meeting of the SOCIETY. The Chair shall set the order of business for meetings of the Division to conduct governance business. The order of business may be suspended by a majority vote of the members present.

Section 3. The Division may hold special meetings to conduct governance business upon the written request of a majority of the Executive Committee or upon the written request of 15 members of the Division. To be valid, such request shall be received by the Secretary at least ten days before the date requested for the meeting and shall state the exact nature of the business to be transacted. No other business shall transpire at such meetings.

Section 4. Meetings of the Executive Committee and meetings of the Division to conduct governance business, with the approval of the Executive Committee, may be held by means of electronic communications technology that permits those in attendance to read or hear the proceedings substantially concurrently with their occurrence, to vote on matters submitted, to pose questions, and to make comments.

Section 5. The Executive Committee shall meet upon due notice either at the call of the Chair or upon request of a majority of its members. A quorum for an Executive Committee meeting shall consist of a majority of the voting members of the Committee. In the absence of a quorum, called meetings of the Executive Committee shall adjourn to a specific date.

Section 6. Due notice of the Division's meetings, not including committee meetings, shall be sent to each member and affiliate of the Division. A quorum for the transaction of governance business at such a Division meeting shall consist of 10 members of the Division. No governance business shall be conducted in the absence of a quorum.

Section 7. The fee for registration at any special meeting shall be decided by the Executive Committee in accordance with the Constitution of the SOCIETY.

Section 8. The most recent edition of *Robert's Rules of Order Newly Revised* shall be the parliamentary authority for all matters not covered in these bylaws or in the SOCIETY's documents.

BYLAW IX

Finances

Section 1.

- a. Members of the Division shall pay annual dues in an amount set by the Executive Committee. The Executive Committee shall have the option to waive or discount dues for STUDENT MEMBERS and for others as provided in the SOCIETY's Bylaws for waived or discounted dues. A member of the Division who is in arrears in payment of dues for one year shall be removed from the rolls.
- b. Society Affiliates shall pay annual dues in an amount set by the Executive Committee.
- c. The annual dues of Division Affiliates shall be determined by the Executive Committee in accordance with the Constitution and Bylaws of the SOCIETY, and as mentioned elsewhere in these bylaws.

Section 2. The Division may raise or collect funds to be expended for Division purposes, and may have the entire management and control of such funds insofar as such management and control shall not conflict with any provision of these bylaws or with the Constitution or Bylaws of the SOCIETY.

Section 3. The Division may receive donations or bequests made to it, and may expend or invest the same on behalf of the Division. Such expenditures or investments shall be made by the Treasurer of the Division upon authorization by the Executive Committee.

Section 4. An annual audit of the books of the Treasurer and of any other transactions regarding the Division's funds shall be conducted by two or more disinterested members or individuals, appointed by the Executive Committee. The audit report shall be submitted to the Executive Committee prior to the spring national meeting.

BYLAW X

Presentation of Papers

Section 1. The Executive Committee shall be responsible for the selection of papers to be presented at meetings of the Division. It may delegate this authority to a Division member or to a committee created for this purpose.

Section 2. The rules for papers presented before meetings of the SOCIETY as outlined in the Bylaws and Regulations of the SOCIETY shall govern this Division.

BYLAW XI

Subdivisions

Section 1. The Division may organize within itself one or more units, known as Subdivisions, which shall be established to cover a specified portion of the general field of the Division. Each such Subdivision shall operate in conformity with the bylaws of, and shall be responsible to, the Division.

Section 2. Formation or discontinuance of a Subdivision shall be at the discretion of the Executive Committee of the Division. Steps to initiate a Subdivision may be taken by action of the Executive Committee or by a petition signed by at least 15 members of the Division, sent to the Executive Committee. The scope of the activities of a Subdivision shall be defined and monitored by the Executive Committee of the Division. Members and affiliates of the Division may join the Subdivision by request to the Secretary of the Subdivision.

Section 3. Upon establishment of a Subdivision, the Executive Committee of the Division shall appoint members of the Division to serve as Chair, Chair-Elect, and Secretary of the Subdivision. The Chair, Chair-Elect, and Secretary shall serve until the next regular election of the Division. Thereafter, the Chair-Elect shall succeed to the office of Chair and the members of the Subdivision shall nominate and elect the remaining officers, who must be willing to serve in these positions. The officers, who shall be members of the SOCIETY, shall be elected in accordance with election procedures for Division officers and shall serve for one year beginning January 1. The Chair of the Subdivision shall be a member of the Executive Committee of the Division and may appoint such committees as may be necessary to conduct the activities of the Subdivision. The Secretary of the Subdivision shall maintain a list of members and affiliates of the Subdivision.

Section 4. No funds shall be tendered by the Division to the control of any Subdivision(s). The necessary expenses of the Subdivision shall be authorized by the Executive Committee of the Division from Division funds and distributed by the Division Treasurer upon proper authorization and verification of revenues and expenses submitted by the Subdivision's officers. By majority vote, the officers of the Subdivision may set dues for the Subdivision upon approval of the Division's Executive Committee. Funds, including Subdivision dues and donations, collected by the Subdivision and the expenditure thereof shall be under the control of the officers of the Subdivision.

BYLAW XII

Affiliation with Other Technical Organizations

Section 1. The Division may affiliate with other technical organizations that cover a specified portion of the general field of the Division, both domestically and in countries outside of the United States, provided that such affiliation does not contravene the Charter, Constitution, Bylaws, or Regulations of the SOCIETY. Such affiliation must be approved by the Executive Committee of the Division, by confirmation by the Council Committee on Constitution and Bylaws, and in compliance with the specific requirements of the Bylaws of the SOCIETY.

Section 2. The affiliation with the technical organization shall become effective upon authorization by the Executive Committee of the Division, by the Council Committee on Divisional Activities, and by confirmation by the Council Committee on Constitution and Bylaws.

Section 3. The Executive Committee may terminate the affiliation with any technical organization by notifying, in writing, the governing body of the technical organization. The technical organization may terminate the affiliation upon written notice to the Division's Executive Committee. Affiliations shall terminate after five years unless reauthorized by the Executive Committee. The term of each subsequent reauthorization shall not exceed five years.

BYLAW XIII

Amendments

Section 1. A petition to amend the bylaws may be initiated by the Executive Committee or by a petition signed by at least 15 members of the Division. If the proposed amendment is approved by the Executive Committee, if practical, it shall be submitted to the SOCIETY's Committee on Constitution and Bylaws for review.

Section 2. The Executive Committee will then incorporate all the required changes and either accept or reject any recommended changes that are suggested by the Committee on Constitution and Bylaws. The revised bylaws shall then be submitted to the Division members for adoption. This may be accomplished at a business meeting of the Division held during a national meeting of the SOCIETY provided that a minimum of four weeks' prior notice is given to the Division members.

Section 3. If a proposed amendment is not approved by the Executive Committee and if the petition is signed by at least 15 members of the Division, if practical, it shall be submitted to the SOCIETY's Committee on Constitution and Bylaws for review before being distributed to the members of the Division.

Section 4. At least two-thirds (2/3) of the votes cast shall be required to approve the amendment. This may be done at a business meeting of the Division provided a quorum is present. Alternatively, or failing the presence of a quorum, the vote may be taken by a ballot distributed to all members of the Division. At least two-thirds (2/3) of the valid ballots returned must be affirmative for adoption.

Section 5. The Secretary shall distribute the outcome of the vote regarding the amendment(s) to the Division members and within one month shall meet all requirements for submitting the results to the Committee on Constitution and Bylaws.

Section 6. Amendments to these bylaws, after adoption by the Division, shall become effective upon approval by the Committee on Constitution and Bylaws, acting for the Council of the SOCIETY, unless a later date is specified.

BYLAW XIV

Dissolution of the Division

Upon dissolution of the Division, any assets of the Division remaining thereafter shall be conveyed to such organization then existent as is dedicated to objects similar to those of the Division and the AMERICAN CHEMICAL SOCIETY, or to the AMERICAN CHEMICAL SOCIETY, so long as

whichever organization is selected by the governing body of the Division at the time of dissolution shall be exempt under Section 501(c)(3) of the Internal Revenue Code of 1954 as amended or under such successor provision of the Code as may be in effect at the time of the Division's dissolution.

Programming Committee Report Spring 2019, Orlando, FL – 257th National Meeting

Debbie Decker and Joe Pickel

Boston programming was jam-packed with 57 papers presented, including a Presidential symposium “Moving ACS’ Safety Goals Forward.” The Division also had a good presence at Sci_Mix, with 4 posters and participation in Division Row.

For this meeting, we again have a full line-up of programming, including two Presidential symposia. The symposia are listed here, with details listed in CHAS At A Glance:

- **PRES: The Chemistry of Disasters**
- **PRES: Bridging the (Safety) Gap Between Academia and Industry**
- **Ask Dr. Safety about New Materials, Processes and Products (Elston)**
- **Educating the Educators (Sigmann)**
- **A Decade Later: The Death of Sheri Sangji as a Catalyst for Change in Safety Culture (Weizman)**
- **Improving Academic Safety Culture: Undergraduate and Graduate Student Leadership in Laboratory Safety (Miller)**
- **DCHAS Poster Session at Sci-Mix (Pickel)**
- **New Frontiers in Cannabis: Analytical Tests, Post-Processing, and Policy Directions (Wise and Bramante)**
- **Cannabis Chemistry First Annual ElSohly Award Symposium (Boyar and Pryor)**

For the San Diego meeting in Fall 2019, MAPS will close for author submissions on March 25. We continue to work with President Charpentier on Presidential programming. We will also be celebrating the 40th anniversary of our Division, with much fanfare.

The theme for this meeting is “Chemistry and Water” and the symposia are as follows:

CHAS 40th Anniversary Symposium (Stuart)
 Connecting Professionalism, Safety & Ethics: The Opportunities & Challenges (Lopez, Nitsche, Stuart)
 Division of Chemical Health and Safety Awards (Brown)
 Graduate Students Perspective on Safety Education (Miller and Stuart)
 Water Safety Issues (Izzo)
 CHAS Poster Session (Pickel)
 Cannabis & Hemp Analytical Science: The Glass is (More Than) Half-full (Astill)
 Cannabis & Water: Formulations That Create a Splash (Vialpando)
 Cannabis & Water: Merging the Insoluble (Arora)
 Cannabis Production: Streamlining the Flow (Towle)
 The European Cannabis Research & Industry Leadership (Roggen)
 Water & Ice: Modern Advances on Traditional Cannabis Processing (Grauerholz and Trah)

The Spring 2020 National Meeting returns to Philadelphia with a theme of “Macromolecular Chemistry: The Second Century.”

**Long Range Planning Committee Report
Spring 2019, Orlando, FL – 257th National Meeting**

ITEM 1: Progress on Issuance Updates

Discussed F18, Boston, MA

- i. Item 2: Ethics Statement – No progress? Has been moved to Awards Committee
- ii. AI 12 – Was overlooked for the 2019 Manual

Approved November 15

- AI 203 – Executive Committee Meeting Reimbursement

Approved December 20

- AI 04 – Membership Roster – Updated membership use reference to the ACS Governing Documents (November 2018) and added link
- AI 06 – Logo – Information for ACS updated

ITEM 2: New Issuance Proposal [AI 708] – CHAS Student Registration Award

Is the last sentence okay?

DIVISION OF CHEMICAL HEALTH AND SAFETY Administrative Issuance 708

0 CHAS Student Registration Award

1 Function:

To encourage student participation in CHAS programming at ACS national meetings.

2 Date:

Original Issuance: XX/XX

3 Award:

Reimbursement in the amount of full-conference registration fee (undergraduate, graduate, or pre-college teacher student rate, as applicable).

4 Criteria:

Awardee must qualify for the undergraduate or graduate student or pre-college teacher registration fee and must be participating in a CHAS symposium or poster session as a speaker or poster presenter at an ACS national meeting.

5 Administration of Award:

The Division will support up to 2 student registrations per National meeting. The award will be administered through the Awards committee in consultation with the Treasurer.

ITEM 3: Update AI 501 Chair Schedule – CHAS Student Registration Award

Joe, Robin and I have been working on this to provide as much guidance as possible to those entering the Chair succession. Anticipate that this is an ongoing effort. Note highlighted sentence.

DIVISION OF CHEMICAL HEALTH AND SAFETY Administrative Issuance 501

0 CHAS Chair Succession Schedule

1 Function:

To help the Chair plan his/her commitments during the three-year succession (Chair Elect; Chair; Immediate Past Chair). See Bylaw IV; Section 2, [p.Error! Bookmark not defined.](#) for duties.

2 Date:

Original Issuance:

Revisions: 04/93, 08/01

Revised/Effective Date: TBD

3 **Chair Elect Year**

JANUARY

Attend the [ACS Leadership Institute](#) meeting. The Division will cover the expenses for this. The Chair Elect should book travel and submit receipts to the Treasurer for reimbursement.

Begin participating in monthly coordination calls with Current Chair, CCS Chair and ACS Safety Manager

SPRING

Review most recent CHAS Annual Reports (Located at the [ACS FORMS](#) site) and CHAS Strategic Plan (Located in CHAS Projects on Basecamp).

JULY

Before the fall ACS meeting, become familiar with relevant information in the [ACS Legal Resource Manual for Technical Divisions and Local Sections](#)

Prepare a Chair Elect Report to enable the incoming Chair to appoint new or reappoint old committee chairs and members for term beginning January 1 of next year at the fall meeting.

The report should be sent to the Secretary for the spring National Meeting Agenda Book.

OCTOBER

Assemble 2-3 additional members and conduct audit/review of CHAS Finances

DECEMBER

Prepare the “Chair’s Message” for the CHAS website. Send picture and message to webmaster.

At DECEMBER MEETING announce when monthly meetings will be held for the coming year.

Prompt Chair to ensure that the Election Certification letter has been prepared by the Secretary and sent by December 1 to ACS (C_Vockins@acs.org).

4. **Chair Year**

The Chair is responsible for setting up the teleconference calls for the Monthly Executive Committee Meetings. The calls are currently on the third Thursday of the month at 8:30 PST; 9:30 MST; 10:30 CST; or 11:30 EST.

MONTHLY

- Send out reminder and call for agenda items (1-1.5 weeks before)
- Send out final agenda 1-3 days before
- Ensure that you have a working conference line and correct dial in information!

JANUARY

Write letter of appreciation to outgoing Chair (optional).

Coordinate with webmaster to ensure elected and appointed CHAS leadership is correct on webpage

Send an email to the DIVISION to introduce yourself, outline status of division, goals for the coming year, and upcoming spring meeting, etc.

Coordinate next election timeline with Immediate Past Chair (Nomination Committee Chair) and Secretary.

Begin working with Awards chair, and Immediate Past Chair to identify candidates for ACS fellows and develop plan to obtain candidate(s) information and 3 letters of recommendation. NOTE: The Chair MUST SUBMIT the list or write a letter delegating this. For information and instructions see the [ACS Fellows Program](#). The nominations are

due in March or April.

Submit the names of 2 officers to the EC for approval to serve on Interim Committee per Bylaw V, Section 4, (b) 1.

Work with Immediate Past Chair, Treasurer, and Secretary on Annual Report due mid February.

FEBRUARY

Annual Report is due February 15. to upload report in [ACS FORMS](#).

Plan agenda for spring Executive Committee and Business meeting. Work with Secretary to determine when committee reports are due and when agenda will be issued.

MARCH/APRIL

Nominations for ACS Fellows Due April 1. Write letter or write letter delegating submission of ACS Fellow nominations from Division. See [ACS Fellows Program](#)

Alert Secretary to his/her part in announcing candidates; names, biographies, and ballot.

Chair is responsible for:

Executive Committee Meeting, Sunday, 8:00 a.m. to noon (30-40 people).
HISTORICAL NOTE: At the fall 2001 Executive Committee meeting the EC voted to combine the Business Meeting with the Executive Committee Meeting.

Chair's Breakfast, Sunday, 7:30 a.m. or so, Executive Committee officers and Program Chair (above days and time at Chair's option and may be coordinated with the Committee on Chemical Safety meeting).

MAY/JUNE

Ensure that Awards Chair sends letter to C&E News announcing division award winners and other important chemical health and safety information. Also, ensure Awards Chair sends email to DCHAS-list serv.

See [AI 801, p. Error! Bookmark not defined.](#) for a sample letter.

Be sure Secretary certifies all newly elected officers to ACS Divisional Activities Office and ACS Executive Director. The secretary or designated division officer reports the election results to the division. Following this action, the secretary reports the results to the ACS Executive Director at c_vockins@acs.org for certification.

As soon as election results are known, congratulate newly-elected persons.

JUNE 17

The deadline, as designated in the bylaws, is June 17. See AI 08, Section 8. (link in manual).

The Chair is responsible to send out congratulation or regret letters or emails.

JULY 15

Begin planning agenda for the fall meetings. Refer to February 28.

AUGUST

Chair is responsible for presiding at the fall Executive Committee Meeting, Sunday, 8:00 a.m. to noon (30-40 people). HISTORICAL NOTE: At the fall 2001 Executive Committee meeting the EC voted to combine the Business Meeting with the Executive Committee Meeting.

Chair's Breakfast, Sunday, 7:30 a.m. or so, Executive Committee officers and Program Chair (above days and time at Chair's option and may be coordinated with the Committee on Chemical Safety meeting).

Select candidates for Leadership Conference.

OCTOBER 1

Be sure that Secretary advises ACS Divisional Activities Office of:

- Division dues for next year (June)
- Names of ALL new Committee Chairs

In consultation with CCS CHAIR and CHAS Programming Chair decide when the CHAS EC meeting will be held at the spring meeting, if it will be joint with CCS, and who will cover the breakfast and lunch.

OCTOBER/NOVEMBER

Announce preparation of Annual Report at the monthly Teleconference and request items from EC, Treasurer, and Secretary.

DECEMBER 1

Write letters of appreciation (or emails) to outgoing officers, committee chairs and committee members whose terms expired on December 31. (Optional)

Ensure that the Election Certification letter has been prepared by the Secretary and sent by December 1 to ACS (C_Vockins@acs.org).

On December 31, turn over reins to successor.

5. Immediate Past Chair Year.

JANUARY

As Immediate Past Chair you are Chair of Nominations Committee. Coordinate next election timeline with Chair and Secretary. Chair in identifying and wooing candidates for roles.

Slate due to Division Chair by February 15 per Bylaw IV, Section 4, a (link in manual).

FEBRUARY

The Division Annual report is due at the end of the month. The Immediate Past Chair is responsible for writing and uploading the report for the previous year (their Chair year).

Membership Committee Report
Spring 2019, Orlando, FL – 257th National Meeting
Ralph Stuart, Membership Chair

Trends in Membership Numbers

Attached to this report is the February 2019 demographics report on CHAS membership. The highlights of this report are:

- 75% of CHAS members are regular members of the ACS as well.
- While a large majority of CHAS members are over 46, there are about 300 members under that age that represent a potential pipeline for future CHAS leaders
- There is a large number of members who have one or two years of service (34%) and another significant group with 6-10 years of service. These members are again potential future leaders of the Division.
- 11% of members identify “Health and Safety” as their field of research.
- 23% of members identify teaching as their primary responsibility; 17% identify EHS responsibilities as such; 44% report their industry as academic

institutions. Given the ability to tailor messages and outreach to selected groups, the membership committee will consider how these observations impact our membership recruitment, retention and service strategies.

We have seen a recent uptick in membership numbers. It is difficult to know what to attribute this happy news to, but some factors that are likely involved are:

1. The Division is now participating in the “one free year” in technical divisions programs for new ACS members. This program recently expanded this offer to 3 technical division memberships in the first year and I suspect that we have acquired several “secondary division” designations as part of this program.
2. The Division has co-sponsored 4 ACS webinars over the last two years, with steadily increasing registration and attendance numbers over those two years. The last webinars we sponsored resulted in more than 1000 registrants and close to 700 attendees. From the membership point of view, the most significant number is those registrants who express interest in CHAS membership. This list tends to be in the 700 range and the Committee is able to take advantage of the ACS e-mail distribution system to follow up with these people. We do get a handful of direct responses to these e-mails, but the impact of this outreach activity is likely to reach beyond those direct responses.
3. Increasing interest in the “safety” as a ACS core value and technical issue has likely led to more ACS members being aware of and interested in the Division’s activities.

Looking Forward

With the change in the JCHAS publication system, it is likely that the Division will see a surge of interest in Division membership in 2020. The current membership benefits significantly from the DCHAS-L e-mail list – 75% of the subscriber get all messages from the list and 2% of subscribers get a daily digest of the list. However, there is concern expressed by many new

members, particularly those with “small hat” safety responsibilities” that there are too many messages on the list for them to keep up with and they therefore unsubscribe from the list. It is likely that many new members in the 2020’s will face a similar concern.

Therefore, the membership committee is interested in considering better, more targeted approaches to member service e-mails than a single open forum. At the 2019 safety education summit, one possible approach was developed at a conceptual level – a “crowd-sourced” technical exchange. The two key audiences suggested for such platform are secondary school chemistry educators and chemistry graduate students. These are both audiences that the ACS and CHAS are interested in reaching out to and which we have some access to through ACS channels. The Membership Committee will undertake a review of this proposal and determine whether we have access to the technology to undertake this approach.

**American Chemical Society
Demographics Report**

D529 - Chemical Health & Safety Division**As of 31 - Jan - 2019**

			Age Group			Years Of Service		
Member Type	Count	%	Group	Count	%	Group	Count	%
Group	Count	%	11-20	9	0.65	0	161	11.70
Division Affiliate	74	5.38	21-25	48	3.49	1	320	23.26
Emeritus Member	99	7.19	26-30	57	4.14	2	122	8.87
Regular Member	1,024	74.42	31-35	84	6.10	3	124	9.01
Regular Student Member	53	3.85	36-40	90	6.54	4	69	5.01
Retired Member	41	2.98	41-45	95	6.90	5	37	2.69
Society Affiliate	29	2.11	46-50	114	8.28	6-10	189	13.74
Student Member - UnderGrad	56	4.07	51-55	140	10.17	11-15	80	5.81
Total	1,376	100.00	56	39	2.83	16-20	77	5.60
			57	28	2.03	21-25	71	5.16
			58	23	1.67	26-30	45	3.27
			59	25	1.82	31-35	41	2.98
			60	22	1.60	36-40	35	2.54
			61	21	1.53	41-45	5	0.36
			62	18	1.31	Total	1,376	100.00
			63	28	2.03	Hispanic		
			64	21	1.53	Group	Count	%
			65	24	1.74	No	470	34.16
			66	21	1.53	Yes	40	2.91
			67	17	1.24	No Response	24	1.74
			68	11	0.80	N/A	842	61.19
			69	17	1.24	Total	1,376	100.00
			70	11	0.80	Ethnic Background		
			71+	159	11.56	Group	Count	%
			N/A	254	18.46	African Descent or Black	26	1.86
			Total	1,376	100.00	Asian (Including Pacific Islanders)	55	3.93
			Gender			Native American (including Alaskan Native)	11	0.79
			Group	Count	%	White (Caucasian)	642	45.92
			Female	518	37.65	Other	25	1.79
			Male	678	49.27	N/A	639	45.71
			n/a	180	13.08	Total	1,398	100.00
			Total	1,376	100.00			

American Chemical Society
Demographics Report

Highest Degree Received			Field of Research			Industry		
Group	Count	%	Group	Count	%	Group	Count	%
Associate	3	0.22	Agriculture/Food science	10	0.73	Academic Institution	617	44.84
Bachelor	161	11.70	Analytical Chemistry	44	3.20	Engineering/Construction Firm	14	1.02
Doctorate	243	17.66	Applied Chemistry	12	0.87	Government	69	5.01
High School	11	0.80	Biochemistry/Molecular Biology/Biomaterials	15	1.09	Hospital/Clinic	11	0.80
Master	248	18.02	Biotechnology/Applied Microbiology	8	0.58	Independent Consulting	108	7.85
N/A	710	51.60	Chemical Information	5	0.36	Independent Laboratory	64	4.65
Total	1,376	100.00	Computational/computers/informatics	1	0.07	Manufacturer - Industrial chemicals	53	3.85
Degree Discipline								
Group	Count	%	Group	Count	%	Group	Count	%
Agricultural/food chemistry	6	0.44	Education	49	3.56	Manufacturer - Other	103	7.49
Analytical chemistry	46	3.34	Energy/Petroleum	11	0.80	Manufacturer - Petrochemical	16	1.16
Biochemistry	40	2.91	Engineering	8	0.58	Manufacturer - Pharmaceutical Co	32	2.33
Biotechnology	6	0.44	Environmental Science	43	3.13	Manufacturer-Agricultural	9	0.65
Business administration	17	1.24	Forensic	6	0.44	Manufacturer-Biotech/life sciences co	25	1.82
Chemical education	16	1.16	Green Chemistry/Sustainable Chemistry	8	0.58	Manufacturer-Environmental/water	7	0.51
Chemical engineering	25	1.82	Health & safety	152	11.05	Manufacturer-Food/beverage/flavors	18	1.31
Environmental chemistry	25	1.82	Inorganic chemistry	23	1.67	Public Utility/Transportation	4	0.29
General chemistry	104	7.56	Instrumentation design/development	4	0.29	Retail/Wholesale Trade	8	0.58
Inorganic chemistry	48	3.49	Legal	2	0.15	Other	68	4.94
Law	1	0.07	Materials science	11	0.80	No Response	70	5.09
Materials science	6	0.44	Medicinal/clinical	9	0.65	N/A	80	5.81
Medicinal/pharmaceutical chemistry	11	0.80	Organic chemistry	45	3.27	Total	1,376	100.00
Organic chemistry	82	5.96	Paints/coatings	4	0.29			
Other chemical sciences	9	0.65	Pharmaceutical	20	1.45			
Physical chemistry	36	2.62	Physical chemistry	13	0.94			
Polymer chemistry	4	0.29	Plastics/Polymers/Rubber	9	0.65			
Other	175	12.72	Toxicology	16	1.16			
N/A	719	52.25	Other	70	5.09			
Total	1,376	100.00	N/A	778	56.54			
			Total	1,376	100.00			

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American Chemical Society

Demographics Report

Job Title			Department			Benefits		
Group	Count	%	Group	Count	%	Group	Count	%
Chemical Technician	32	2.33	Analysis	11	0.80	ACS Network	286	10.80
Chemist/Scientist	160	11.63	Corporate Management	25	1.82	C&EN	408	15.41
Consultant/Advisor	52	3.78	Lab Management	35	2.54	Career counseling and resources	29	1.10
Engineer	18	1.31	Purchasing	1	0.07	Community activities	81	3.06
Executive Management	85	6.18	QC/Assurance/Validation	11	0.80	Educational resources and tools	86	3.25
Graduate Student	43	3.13	Regulatory	95	6.90	Legislative Action Network	24	0.91
Health & Safety/Regulatory Affairs Manager	238	17.30	Research & Development (R&D)	74	5.38	Local Sections	166	6.27
Post Doctoral/Fellow Researcher	11	0.80	Research & Teaching	58	4.22	National or Regional Meetings	149	5.63
Process/Quality Control Manager	23	1.67	Sales/Marketing/Business Development	14	1.02	Newsletters	181	6.84
Production/Operations Manager	17	1.24	Teaching	93	6.76	None	64	2.42
Professor/Instructor/Administrator	327	23.76	Technical Services	27	1.96	Personal Benefits	73	2.76
Purchasing Manager/Buyer	6	0.44	Other	69	5.01	Professional Education and Professional Development	74	2.79
Research & Development Management	72	5.23	N/A	863	62.72	Technical Divisions	232	8.76
Sales/Marketing/Business Development	9	0.65	Total	1,376	100.00	Web Edition publications	118	4.46
Supervisor/Project Leader/Foreman	34	2.47	Geographic Area	Count	%	Other	32	1.21
Undergraduate Student Member	30	2.18				N/A	645	24.36
Other	68	4.94				Total	2,648	100.00
No Response	69	5.01	International	117	8.50			
N/A	82	5.96	United States	1,259	91.50			
Total	1,376	100.00	Total	1,376	100.00			
			Disability	Count	%			
			Group					
			No	494	35.90			
			Yes	22	1.60			
			No Response	13	0.94			
			N/A	847	61.56			
			Total	1,376	100.00			

American Chemical Society
Demographics Report

Products			Country of Citizenship		
Group	Count	%	Group	Count	%
Chemical ingredients	212	9.65	Australia	4	0.29
Chromatography products	113	5.15	Belgium	1	0.07
Computational	41	1.87	Botswana	1	0.07
Contract management services	50	2.28	Brazil	1	0.07
HPLC	84	3.83	CANADA	15	1.09
Laboratory products	229	10.43	China	4	0.29
LIMS	27	1.23	France	1	0.07
Mass Spectrometers	67	3.05	Germany	1	0.07
NMR	38	1.73	Hong Kong	1	0.07
None	127	5.78	India	2	0.15
Pharmaceutical ingredients	23	1.05	Ireland	1	0.07
Spectroscopy	84	3.83	Italy	1	0.07
Supercritical fluid chromatography	5	0.23	Japan	1	0.07
Thermal analyzers	21	0.96	Mexico	2	0.15
Water purification systems	71	3.23	Nigeria	2	0.15
Other	77	3.51	Philippines	1	0.07
N/A	927	42.21	Poland	1	0.07
Total	2,196	100.00	Portugal	1	0.07
			Qatar	1	0.07
			Romania	1	0.07
			Sri Lanka	2	0.15
			Switzerland	1	0.07
			Trinidad and Tobago	1	0.07
			United Kingdom	3	0.22
			UNITED STATES	478	34.74
			Venezuela	1	0.07
			Vietnam	1	0.07
			N/A	846	61.48
			Total	1,376	100.00

**Regional Meetings Committee Report
Spring 2019, Orlando, FL – 257th National Meeting**

- Committee Operations were proposed to the DCHAS EC. [See below]
- The committee funded activities are presented in the below table. [See below]
- The committee is taking proposals for the following year.
- The contact for the CHAS Regional Meeting Committee was placed on the contact list for the ACS's Division's Regional Meeting Contact as a means for regional meeting planners to contact DCHAS to plan safety workshops and other safety programming. [Submitted through- Brianna Ortiz]
- CHAS activities in regional meetings are reported in the below table.
- CHAS EC was presented with all available upcoming Regional Meetings with programming contacts.
- CHAS Champion have been appointed for five regions and champions enable contact with regional meeting planners to invite both CHAS programming and invitations for funding.

Operations of Regional Meetings Committee and Awards to these Meetings:

1. The Regional Meetings Committee will be made up of a champion from each regional meeting region and a Planning Team of individuals that have had a strong participation in CHAS offerings in regional meetings. The committee will both make awards to regional meetings as well as recruit CHAS involvement in regional meetings. Request for CHAS participation in regional meetings will be assisted through this committee. The committee will report regional meeting requests to the EC for their leadership in suggesting action and providing individuals that can offer responses to regional meeting requests that typically involve leadership in workshops and symposium participation.
2. Subject to available funds, awards not to exceed \$500, are distributed on a calendar year cycle with a proposal deadline of November prior to the year for which the funding is requested. Funds available for a yearly budgeted cycle are \$2500. Awards may be selected for a regional meeting for two calendar cycles, but funding is always subject to available funds that are approved in an annual CHAS budget.
3. The Planning Team and the Champions make the award decision by the end of Jan [or earlier] and these selections are submitted to the EC for final approval before award notifications are made.

Reward recipients are required to:

- Submit to the Regional Meetings Committee chair a brief proposal or projection of how the monies are to be used.
- On the proposal, provide a contact person for direct communications with the regional meeting committee.
- On the proposal, provide a contact person that will be responsible for handling fund transfer with the treasure of CHAS.

- A brief report of how the monies were used will need to be submitted to the Regional Meeting Committee chair.
- This brief report includes a compilation of how CHAS participated in the Regional meeting and what programs, presentations, or events CHAS membership lead for the regional meeting.
- This brief report can also include projected future interest in programming that CHAS could provide at regional meetings and the meeting coordinator contacts for these future meetings.

Submit proposals for Regional Meeting awards, to the Regional Meeting Coordinator, Mark Lassiter, mlassiter@montreat.edu [phone: 828-231-5224].

Proposals will be reviewed by the Regional Meeting Committee and Planning Team. Award communications will be through the individual identified as the “contact” in the proposal form which accompanies proposals to the committee.

Compiled Programming Activities:

Regional Meetings 2018 [& Postings in Mid-Year for 2019]	Region Board Contact	DCHAS Champion	Award \$500	Award Contact	Participation:
Central June 4-7,2019-Midland, MI	Mr. Dan McLoughin Co-Chair Dr. Roger A. Parker Co-Chair	Monique Wilhelm < mwilhelm@UMFLINT.EDU >	Submitted	Monique Wilhelm	To be determined
Great Lakes May 1-4,2019-Lisle,IL GLRM2019@gmail.com https://www.2019acsglrm.org	Dr. Lydia Hines Chair				
Middle Atlantic	Dr. Martha G. Hollomon Chair	Russ Phifer < rphifer@wcenvironmental.com >			
Midwest Oct. 21-23,2018-Ames, IA Organizing General Chair: Tom Holme (taholme@iastate.edu)	Dr. Thomas P. Schuman Chair				
Northeast	Mr. Tony Noce Chair Dr. Willem R. Leenstra Vice Chair				
Northwest	Ms. Janet L. Bryant Chair	Frankie Wood-Black < fwoodblack90@gmail.com >	2018	Frankie Wood-Black	Award: Safety Symosium Safety - It is part of the scientific process. Description - Safety has to be a part of the entire scientific process, from problem selection, experimental design, scale up and ultimate application. This session will explore the various ways safety needs to be considered within the chemical enterprise.
Rocky Mountain	Mr. Donovan Porterfield Chair				
Southeastern Oct. 31-Nov3, 2018-Augusta, GA Presiding Chair Marc ter Horst	Dr. Will E. Lynch Chair	Sammye Sigmann sigmannsb@appstate.edu	2017	Sammye Sigmann	Award for Nov 2017:

(Oct. 2019 Savannah, GA) - Will Lynch					Safety Symposium for SERMAC Nov 2017 Charolotte, NC: Learning laboratory safety through storytelling Storytelling is a powerful way to convey history and culture to the next generation. Most anyone who has been in a research laboratory has at least one “story” about an incident or near miss. In the 21 st century safety culture, it is becoming more acceptable to share and learn from these. This symposium will offer a mix of some invited talks around storytelling and lessons learned and a panel discussion where audience members can share how they use their “stories” to teach better safety practices.
Southwest Nov. 7-10, 2018-Little Rock, AR Program Chair: Howard Hendrickson	Mrs. Ruth A. Hathaway Chair	Brandon Chance <bchance@MAIL.SMU.EDU> Frankie Wood-Black <fwoodblack90@gmail.com>			

Development Committee Report
Spring 2019, Orlando, FL – 257th National Meeting
 Christopher Incarvito

As a reminder, the CHAS Development Committee was established to enhance opportunities for external funding and sponsorship to advance the mission of the division. It serves to support the mission of CHAS by holding responsibility for the solicitation of funding (primarily external to ACS and CHAS membership) for CHAS activities such as: National Award for Achievement in Chemical Safety, other awards under CHAS stewardship, grants and fellowships, CHAS-operated workshops, outreach events, etc.

Current Focus

In the past six months the Development chair has been canvassing new opportunities for sponsorship and establishing new funding/sponsors. A number of new (potential) sponsors have provided “soft” commitments in the \$500-1000 range. There is general interest in supporting young scholars who present at CHAS events, particularly the ACS national meetings, where there is opportunity for cross-visibility and promotion by the sponsors.

1. Student travel funding – Orlando meeting
2. Student Registration Fee Payment – Orlando meeting
3. New award(s) funding in collaboration with Awards Committee
4. National Award
 - Work continues in collaboration with ACS Office of Development. Since the Boston meeting the ACS Office had spent time engaged with a major industrial organization who had shown early interest but ultimately chose not to pursue funding this award. A second sponsorship lead has now been identified and negotiations are moving forward.

Potential Priorities for consideration at Orlando EC meeting

1. Social (potential move to Social chair)
2. Conference At-a-Glance
3. Awards – specifically the SafetyStratus College and University Award
4. Workshops – specifically the continuation or “road-ready” graduate student / JST workshop
5. Assistance for international attendees
6. 1-day National Meeting registration for atypical speakers
7. Unrestricted funds

Workflows:

Ideally the Development Committee will act upon requests made by CHAS stakeholders (e.g. officers and committee chairs) in support of current or new CHAS activities. Recognizing that alignment of goals will not always match the interest of sponsors the following workflow will help identify new sponsor leads:

New sponsorship leads

1. CHAS members forward contact information and any additional context of the potential sponsor to the Development Chair.
2. Development Chair contacts lead with copy to the CHAS member who generated the lead and/or relevant stakeholders. This initial contact includes a list of ongoing interests and needs of CHAS, or more specific opportunities depending on the context of contact.
3. Confirmed sponsorship will be copied to the Treasurer for invoicing.
4. Thank you notes should originate from CHAS Chair and/or originating stakeholder

Continued sponsorship leads

1. Development will provide regular updates to existing sponsors and encourage increased donations. (*This is dependent on cooperation from CHAS stakeholders)
2. Priority consideration and right of first refusal should be granted to existing sponsors, but funding levels should be adjusted to match actual cost increases
3. New Division priorities will be offered to continued sponsors – “early access opportunity”

**Government Relations Committee Report
Spring 2019, Orlando, FL – 257th National Meeting**

Submitted by: Kali Miller (kalim863@gmail.com)

Committee Members: Ellen Sweet, Ralph Stuart, Debbie Decker

Function and tasks:

- Participate in relevant writing teams and provide comments on ACS policy statements.
- Keep abreast of regulatory activities of interest and provide updates to the Division and provide opportunities for individuals to comment.
- Work with any ACS committee and the Office of Public Affairs to formulate public comments. Public comments which have been approved by the CHAS EC shall be submitted to the soliciting agency by an official representative of the Society.
- Write semiannual reports for National DCHAS EC Meetings detailing the committee's activities and relevant regulatory developments.

Summary of current progress and goals:

- **Committee Structure:** Committee members are currently mostly mentors that have worked with the Division on policy issues previously. I hope to grow the committee and identify responsibilities for new members to be more involved in listserv updates.
- **Policy Statements:** DCHAS does not “own” any policy statements but may be asked to provide comments by various committees or ACS staff when appropriate. Currently working with CCS Safety Advisory Panel (SAP) for two ACS policy statements that are up for renewal.
- **Regulations:** I am still in the “learning phase” of regulation updates. There is a strict procedure for submitting comments on behalf of ACS. It’s more appropriate for the Division to simply provide a list of current regulations that are up for comment and facilitate discussion on the listserv. In addition, these updates can include final versions of regulations, relevant bills, press releases, or when other organizations make comments.
- **Monitoring:** Regulations.gov, Act4Chemistry, ACC SmartBrief, NIOSH monthly newsletter.
- **Relevant Stakeholders:** American Chemistry Council, ACS CCS Safety Advisory Panel, ACS Division of Chemical Information, Committee on Environmental Improvement, ACS Committee on Chemical Safety, ACS External Affairs & Communications.
- **Personal Connections:** Brandi Neifert, Ray Garant, and Glenn Ruskin from the Office of External Affairs & Communications. Invited to the Committee on Chemistry and Public Affairs (CCPA) meeting in Orlando.

Update 1: Safety in the Chemistry Enterprise

- This is a policy statement owned by CCS that is up for renewal this year (attached).
- Safety Advisory Panel (SAP) has already provided suggestions for changes.
- Request for DCHAS EC comments before the end of April. Consider: What is ACS advocating for with the regulatory agencies?
- Summary of SAP Comments:
 1. Second paragraph: Should be something in this paragraph about "safe and responsible sourcing of raw materials and production of chemicals." Possibly a better fit in the section on global management (fourth paragraph, fifth bullet)?
 2. Third paragraph, first bullet: "Purchasing" should be included here.
 3. The third bullet first sentence: Surely inaccurate if the document is intended to advance review of hazards prior to use for those working with the chemicals rather than downstream tox hazards.
 4. Fourth paragraph, first bullet: Rewording suggestion: "Assure the use of both sound science and transparent risk-based criteria in the promulgation of chemical safety regulations and public policy."
 5. Fourth paragraph, fourth bullet: Add "reactivity" after "toxicity" in the fourth bullet or otherwise drop the word "toxicity."
 6. Fourth paragraph, fifth bullet, second sub-bullet: This statement might be reworded. Safer alternatives for what? Process? Chemicals? Disposal?
 7. Safety Culture mention: Refer to the way that Safe Science and/or Prudent Practices uses the term. NRC use of "safety culture" terminology: <https://www.nrc.gov/about-nrc/safety-culture.html>
- New idea: A Fact Sheet to support the statement that from the Safety in the Chemistry Enterprise policy statement that ACS should "support education and training of chemical scientists and engineers to include hazard recognition, risk assessment and management, toxicity, (reactivity), and emergency response associated with chemicals."

Update 2: Chemical Risk Assessment and Regulatory Decision Making

- This is a policy statement owned by CEI that is up for renewal this year (attached).
- Ellen volunteered, via her capacity in the CCS SAP, to be on the writing team if CEI chooses to form one.
- A companion chemical safety information Fact Sheet is being conceptualized by the SAP relating to this policy statement. This is in conjunction with the CINF/CHAS Innovative Project Grant.

SAFETY IN THE CHEMISTRY ENTERPRISE

The study and implementation of chemistry leads to many valuable social and economic benefits, including better living conditions, improved public health, and enhanced quality of life. The chemistry enterprise creates high-skill, high-wage jobs. The practice of chemistry from concept through research, development, manufacture, use, and disposal must be done safely so as to minimize adverse impacts on human health and/or the environment. The American Chemical Society (ACS) believes recognition of the obligations to the safety and health of both individuals and the environment is essential for those working with chemicals.

Chemists understand that working with chemicals and developing new materials and chemical processes involve some degree of risk. A thoughtful and educated approach to chemical safety must assess the overall life-cycle and risk/benefit analysis for each area of the chemistry enterprise. The process of minimizing risk while optimizing benefits should continue throughout the investigation, development, implementation, use, and appropriate recycling or ultimate disposal of products and byproducts.

Safety and ethics issues should be considered by all stakeholders when planning or evaluating the funding of science, education of chemists, scientific research and technology development, chemical manufacturing and recognition of scientific achievement. Practices to address these issues include:

- Compliance with applicable regulations in chemical research and development as well as the incorporation of best safety practices regarding the storage, handling, use, and disposal of materials;
- Ongoing reviews of experimental procedures and scientific literature, as well as developing processes to minimize risks; and
- Alerting end-users of chemical products to foreseeable consequences of misuse or failure to follow product use recommendations from the Globally Harmonized System (GHS), Consumer Product Safety Commission (CPSC), and others.

The ACS supports policies and processes that:

- Assure the use of both sound science and risk-based criteria in the promulgation of chemical safety regulations and public policy.
 - Authors of regulations, guidance documents, and operating procedures should regularly review current, generally accepted scientific and engineering input to address risk to people and/or the environment.
 - Subject matter experts should be consulted to identify potential unintended consequences of regulation or public policy.
- Develop information regarding best practices, risks, use, and disposal throughout public policy and regulatory processes.
- Support research to identify and characterize chemical hazards and create better protective measures for workers and end-users.
- Support education and training of chemical scientists and engineers to include hazard recognition, risk assessment and management, toxicity, and emergency response associated with chemicals.

The American Chemical Society (ACS) Board of Directors Committee on Public Affairs and Public Relations adopted this statement on behalf of the Society at the recommendation of the Committee on Chemical Safety, and the Division of Chemical Health and Safety. ACS is a non-profit scientific and educational organization, chartered by Congress, with nearly 157,000 chemical scientists and engineers as members. The world's largest scientific society, ACS advances the chemical enterprise, increases public awareness of chemistry, and brings its expertise to state and national matters.

American Chemical Society, 1155 Sixteenth Street NW, Washington DC 20036, 202-872-4386, www.acs.org/policy

- Chemical management and regulatory policy should foster technological innovation and a globally competitive US chemical industry. Advancing research and applying appropriate green and sustainable principles will lead to economically viable technical innovations. To this end, ACS supports the government implementation of:
 - An expedited, rigorous treatment of regulatory applications for inherently safer chemical products and processes. The government should work with industry, academia, scientific organizations, public interest groups, and other stakeholders to develop guidelines for use in such a regulatory process.
 - Continued support for research and development by universities, industry, government laboratories, and other stakeholders to create safer alternatives and encourage their adoption.
 - Mechanisms to resolve inconsistencies among various federal, state, and local regulatory procedures that cause implementation and compliance conflicts.

CHEMICAL RISK ASSESSMENT AND REGULATORY DECISION MAKING

Chemical regulations exist to protect society and the environment from unnecessary and undue hazards from exposure, while allowing society to benefit from chemical sciences. Regulatory actions involve two distinct elements:

- Risk assessment: a process that consists of three analytic steps—hazard identification, dose-response assessment, and exposure assessment—and a fourth step, risk characterization, in which results of the first three steps are integrated to yield information on the probability that the adverse effects described in hazard identification will occur under the conditions described in exposure assessment. Uncertainty findings from the first three steps are also integrated into risk characterization.[NRC 2009]
- Risk management: the process of weighing policy alternatives and selecting the most appropriate regulatory action, integrating the results of risk assessment with engineering data and with social, economic, and political concerns to reach a decision. [NRC1983]
- Together they evaluate, quantify, and mitigate the impacts of a hazard. Risk assessment of chemical hazards must include analysis of acute short-term hazards as well as chronic long-term impacts, covering the entire life cycle from research and development, manufacturing, and product use, to fate in the environment.

Principles

1. Biological responses occur following exposure to virtually all substances, both natural and synthetic. Identification of risks to human health and the environment from exposure to potentially harmful substances informs regulatory decisions. Information about risk and hazard should be widely, transparently, and publically available.
2. Evaluations of chemical safety should be based on robust science and risk based criteria protective of human health and the environment.
3. Science informs regulatory decisions: Determining and managing acceptable risk to human health and the environment is both technical and societal, involving scientists, government, industry, consumers, and the public. Resulting actions are based on science, but are ultimately value based judgments.
4. Government and industry play critical roles in risk assessment and regulation. Toxicological data and safety information must be accessible to consumers and regulators to assure safe use and public trust. Baseline assumptions, reasoning, data requirements, and data underlying regulatory decisions must be transparently described.
5. Risk management decisions should consider sensitive populations, cost, availability of substitutes, and other relevant considerations.

Recommendations

The American Chemical Society (ACS) Board of Directors Committee on Public Affairs and Public Relations adopted this statement on behalf of the Society at the recommendation of the Committees on Environmental Improvement, and Corporation Associates. ACS is a non-profit scientific and educational organization, chartered by Congress, with nearly 157,000 chemical scientists and engineers as members. The world's largest scientific society, ACS advances the chemical enterprise, increases public awareness of chemistry, and brings its expertise to state and national matters.

- ACS supports adoption of a framework for risk-based decision making as outlined by the National Academy of Sciences in *Science and Decisions: Advancing Risk Assessment*. [NRC 2009a] Evaluations and recommendations should be revisited after a determined time period to incorporate any changes or added data to the original science based decisions.
- ACS supports the development and use of less toxic and less persistent chemicals by all means, including the use of green chemistry and sustainable molecular design principles. ACS further supports alternatives assessment as defined by the National Research Council [2014] as a process for identifying, comparing, and selecting safer alternatives to chemicals of concern on the basis of their hazards, comparative exposure, performance, and economic viability.
- ACS supports better understanding of critical risk assessment science in specific areas.
 - ⊖ Research needs identified in *Exposure Science in the 21st Century: A Vision and A Strategy* [NRC 2012]. Exposure assessment is essential to understand the extent to which potentially hazardous chemicals are ingested, inhaled, or otherwise taken up by at risk populations.
 - Biomonitoring, which involves the measurement of a wide range of chemicals and transformation products in humans and other species to understand the environmental and public health implications of exposure to chemicals by linking biomarkers of exposure to biomarkers of effect. Biomonitoring also provides a basis to evaluate the success of sustainable molecular design and safer alternatives, control technology and clean-up efforts over time and to identify trends that may be of concern as a basis for mitigation.”[NRC 2006]
 - ⊖ Implementation of the recommendations of the National Research Council *Toxicity Testing in the 21st Century: A Vision and Strategy* to develop informative and more efficient means of toxicity testing and the application of its principles to human and ecological risk assessment and computational tools. [NRC 2007]
 - ⊖ Endocrine disruption, the alteration of the endocrine system that causes adverse health effects in an organism or its progeny. ACS supports high throughput assays and computational tools for the endocrine disruptor screening, more rapid advancement by the EPA of the congressionally- mandated [Endocrine Disruptor Screening Program](#) effort, and expansion of endocrine disruptor education and research. [
- ACS supports studies that focus on the risk assessment and risk management of nanomaterials to ensure their timely and safe development. Significant actions required include research that identifies and quantifies nanomaterial releases and identifies the populations and environments being exposed, increases understanding of processes that affect both potential hazards and exposure, examines nanomaterial interactions in complex systems ranging from subcellular to ecosystems, and supports an adaptive research and knowledge infrastructure to advance research. [NRC 2012]
- ACS supports government agencies clearly stating baseline assumptions, reasoning, data requirements, and data utilized when assessing risk. Likewise, industry needs to provide information for technical purposes and clear, accessible guidance to consumers and regulators.

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CORPORATION ASSOCIATES INDUSTRIAL SAFETY FORUM
CONFERENCE CALL MINUTES

4 FEBRUARY 2019

Participants

Al Ribes	Dow/DuPont
Emory Ford	Retired from Lyondell
Farah Shamzaded	Amgen
Pat Mulrooney	Imco
Jerry Jones	AICHE/CCPS
Dave Finster	Wittenburg College; CHED; CCS
Neal Langerman	Advanced Chemical Safety/CA
Eric Miller	Phytophile
Marta Gmurczyk	ACS Safety Program Manager
Christine Schmidt	ACS Corporation Associates Staff
Penelope Lewis	ACS Publications Staff

Penelope Lewis introduced herself and her assignment within ACS to foster the growth and diversification of publications. She has a special focus on safety-related publications and the role that industry, via CA, can bring to enhance this area of publications.

PLANNED AGENDA

- Discuss Goals of forum
 - Select 1 project for 2019
- Orlando ACS meeting
- Join CA
- Forum Leadership

DISCUSSION SUMMARY

Goals of the Forum

Discussion of macro-and micro-level goals. The original goals (2017) were worded:

- Provide an industrial safety voice across ACS safety programs
- Provide the chemical enterprise with a mechanism to improve enterprise-wide chemical safety under the leadership of the ACS

The group has modified the second bullet to read;

- Provide the chemical enterprise with a mechanism to improve enterprise-wide chemical safety under the leadership of the ACS and other professional societies including AICHE/CCPS and AIHA.

- Larry Sloan, formerly of SOMCA is now CEO of AIHA
- Jerry Jones is a forum member and liaison to CCPS.

ACTION ITEM

NL will invite the CHAS-AIHA Liaison (Bill Galdenzi, Boehringer Ingelheim Pharmaceuticals, Inc. bill.galdenzi@boehringer-ingelheim.com) to join the forum and also act as the AIHA liaison.

Some specific projects were discussed including a symposium at the Fall 2020 ACS National Meeting on industrial safety. The full day symposium will be co-sponsored by I&EC and CA and administered by CHAS. Some topics that might be included are:

- Research safety of new materials (eg 3D printing; nano-materials, energetic compounds)
- Chemical Reactivity Workbook and Lab SOPs (Dave Gorman at Dow-Chemical)
- Introduction to a new CCPS publication on Lab Safety (due out in 2019)
- NL would like to hear a discussion of the often-stated position that “industrial labs are safer than academic labs.”

A working title is: *Industrial Lab Safety: From Concept to Production*

ACTION ITEMS

CA Member Representatives are asked to invite their senior management to participate in the symposium.

Safety Forum: Someone other than NL needs to take leadership of this symposium.

NL: Coordinate this symposium with CHAS Programming Chairs.

Industrial Safety and ACS Safety Programs

Marta requested that CA and the Forum provide links and content to www.acs.org/safety to specifically emphasize industrial chemical safety. At a minimum, these should include links to AIChE, CCPS, AIHA, and SOCMA. (Dow Lab Safety videos should be included.)

ACTION ITEMS

CA Member Representatives and Forum members are asked to provide content or links to content from their company's resources.

NL will work with Marta to develop the content.

Ask Dr. Safety – Orlando

Forum members who will be in Orlando (I will not) are asked to attend the CHAS technical session *Ask Dr. Safety* and bring their industrial safety voice to the session. The session is on Tuesday 2 Apr 2019 at 16:00. Location TBD at this time.

Next industrial safety forum conference call will be scheduled between 29 April and 10 May, 2019.

**National Registry of Certified Chemists Liaison Report
Spring 2019, Orlando, FL – 257th National Meeting**

The Chemical Hygiene Officer certification program continues to be popular, particularly among university EH&S departments. There are currently 326 active CHOs, with approximately 100 additional applicants who have yet to pass the exam. The exam is both challenging and comprehensive, covering a wide variety of chemical safety topics. Any member of CHAS is invited to submit exam questions at any time.

There have been numerous changes in policies, procedures, and programs since the Fall meeting. We have substantially reduced our paper footprint by handling essentially all paperwork electronically. We have signed a Memorandum of Understanding (MOU) with the American Industrial Hygiene Association and AIHA Registry Programs to develop and implement an Industrial Hygiene Analytical Chemists certification program. AIHA is providing a \$5000 grant towards the development, and will share promotion and maintenance responsibilities with NRCC, as well as the profits from the program. AIHA looks at this program as a good companion to its Certified Industrial Hygienist (CIH) certification. We are hopeful of having the program up and running by the end of 2019.

NRCC is also transitioning to an internet store for direct payment of application, exam, and renewal fees. This will significantly enhance the security of payments and facilitate recordkeeping.

We continue to also explore a Cannabis Analytical Chemist certification in conjunction with the CANN subdivision of CHAS. A focus will be to get state cannabis agencies to work towards Board certification and licensing of cannabis chemists.

The NRCC Board of Directors will have our first face-to-face meeting in over 30 years in Atlanta on May 3-4. The objectives of this meeting are to finalize planning on several exam updates, tighten standards for clinical & toxicological chemist certification, and work on the new AIHA/NRCC certification program.

The CHAS/CCS representatives on the NRCC Board for 2018 are Joe Pickel and Stefan Wawzyniecki.

Respectfully submitted,

Russ Phifer
Executive Director, NRCC
rphifer@nrcc6.org



September 5, 2018

Dear Division of Chemical Health and Safety,

My name is Amber Wilson and I am an associate member of the national Younger Chemists committee (YCC) and the liaison for DCHAS. I am interested in chemical safety and making sure laboratories are kept safe places to work. I recently joined my companies safety team and saw where people were not properly trained, which is what sparked my interest in lab safety and why I volunteered for this position in hope of accomplishing our mutual goals.

The Younger Chemists Committee (YCC) was established in 1974 as a joint-board council committee to help provide a voice for the growing population of young scientists. Our interests include providing material and strategies for career navigation, networking, leadership, and more. We also have a number of merit-based scholarships and awards, many of which are in collaboration with other ACS committees.

I would like to gather current information on your awards geared towards younger chemists so that our committee can better advertise your awards through various social media outlets. Please also send over any information on upcoming events or webinars that the DCHAS would like to see us advertise.

I would like to introduce myself in person to the entire committee at the next national meeting to give more details about what the YCC is interested in as well as my contact information. Please let me know if there is any availability in your open session. I'm looking forward to hearing from you.

Best regards,

Amber Wilson