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

Sunday, August 25, 2019 10:30 AM to 12:30 PM

Marriott Marquis San Diego Marina, Marina Ballroom Salon G, San Diego, CA

1.	Welcome from Chair (Sigmann)	10:30
2.	Visitor: HN Cheng	
3.	Officer Reports	10:40
	a. Chair (attachment 1)	
	b. Journal Update (Miller)	
	c. Secretary (Wilhelm) (attachments 2 & 3)	
	d. Treasurer (Koza) (<u>attachment 4</u>)	
	e. Chair-Elect (Izzo) (attachment 5)	
	f. Immediate Past Chair (Pickel)	
	g. Councilors (Wood-Black, Decker) (attachment 6)	
	h. Members-At-Large (Sweet) (attachment 7)	
4.	Cannabis Subdivision Report (Bramante) (attachment 8)	11:20
5.	Old Business	
6.	New Business	
	 a. Nominations for Committee on Science 	
7.	Visitor: Carol Duane	11:30
8.	Reports of the Standing Committees	
	a. Programming (Decker & Pickel) (attachment 9)	
	b. Awards (Bush) (<u>attachment 10</u>)	
	c. Long Range Planning (Sigmann) (attachment 11)	
	d. Membership (Stuart) (attachment 12)	
9.	Reports of Other Committees	12:00
	 a. Regional Meetings (Lassiter) (<u>attachment 13</u>) 	
	b. Development (Incarvito)	
	c. Government Relations (Miller/Stuart?)	
	d. Social (Avadhanula)	
	e. Educational Program (Phifer)	
10	•	12:20
	a. CCS (Ralph) (attachment 14)	
	b. IAC	
	c. DAC	
	d. Corporate Associates	
	e. NRCC (Phifer)	
11	Reminders and Adjournment 12:30	

Chair's Report

Sammye Sigmann, Division Chair

Welcome to San Diego, CA!

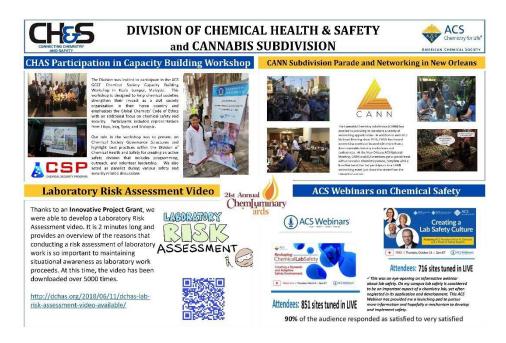
I would first like to say that it has been an honor to serve as the CHAS Chair for the first half of the year and the time has really gone quickly. Once again, our programming committee has organized a great lineup which includes a symposium to celebrate the 40th anniversary of CHAS.

In addition to our regular programing Sunday through Wednesday morning, we have successfully co-organized symposia in other divisional programming – I&EC (Keeping Water Safe), ANYL (Connecting Safety, Education, Training & Productivity in Analytical Laboratories), and CHED (Academic Lab Safety). Additionally, we have cosponsoring in our symposia with HIST, CINF, CCS, and PROF. We are co-sponsoring a Presidential symposium – "Chemistry of Disasters" Tuesday afternoon.

Along with technical programing, five workshops will be running. We also have our always popular social event. In SD, The Social, organized by our new Social Chair, Adi Aditya Avadhanula, has been co-sponsored with Industry Member Programs, CA, SCHB, and BMGT.

Some notable highlights since Orlando:

- Updated Bylaws
- Four of the ChemLuminary proposals we submitted were selected as finalists. A poster has been prepared (see below). Everyone is welcome to attend the poster session and award ceremony on Tuesday evening.



- We used the \$500 Multidisciplinary Program
 Planning Group (MPPG) award that we received for
 following SD theme to have candy bars made
 promoting "CHAS at 40".
- An IPG was submitted to support a 2020 Strategic Planning activity. The amount requested was \$12,500. The budget is shown below

Number Needed	Item	Unit Cost	Extended Cost
1	ACS Facilitator/Venue Fee	\$5000	\$5,500
12	Participant Travel	\$700	\$8,400
24	Per Diem Nights	\$250	\$6,000
Subtotal			\$19,900
1	Innovation Project Grant Support	(\$7500)	(\$7500)
1	LAB Supplemental Support	(\$5000)	(\$5000)
	\$7,400		

Samuella B Sigmann



I look forward to the continuing my service to the Division for the remainder of the year. As always, I thank everyone for their support of our Divisional activities. Please do not hesitate to contact me with ideas or concerns.

AGENDA BOOK PAGE 3

DCHAS Executive Committee Conference Call Minutes

Action Items

- -Submit Agenda Book items by Aug 2nd
- -Sign up to man booth at SD EXPO
- -Submit papers for Philly soon
- -Contact Jennie in Membership re dues

Upcoming Calls

Every third Thursday at 8:30am Pacific/11:30 Eastern Next call: Sept 19, 2019 due to in-person mtg at conference next month

Meeting Details

- Date and Time: July 18, 2019 at 11:32am ET, adjourned at 12:15
- Connection Details: Call In Number (669) 900-6833 Meeting ID: 883714695
 - o Online Alternative https://zoom.us/j/883714695
- Attendees: Julia Bramante, Larry Doemeny, Harry Elston, Marta Gmurczyk, Dan Kuespert, Kali Miller, Joe Pickel, Sammye Sigmann, Ralph Stuart, Ellen Sweet, Monique Wilhelm, Frankie Wood-Black

Discussion

- Welcome/Roll Call
- Approval of June Minutes (attached) –approved
- Secretary Report (Monique)
 - Need San Diego Agenda Book reports by August 2nd for Aug 11th distribution
- Announcements (Sammye)
 - DAC email request sounds like a communities of practice: Sammye will forward to everyone to send in any thoughts they have individually.
 - Debbie needs pictures from CHAS events ASAP
 - Need alternate councilor
 - Sammye will contact Peter Zavon to gauge interest, then Neal if not able
 - No Fellows from CHAS this round

• Treasurer Report (Mary Beth)

- Total income for Jan 1 to July 17, 2019 \$76,077.77
- Total expenses for Jan 1 to July 17, 2019 \$52,233.99
- o net income to date \$23,843.78 includes \$10,000 for the Journal Sale
- Still awaiting ACS meeting bill

• Update on Bylaws (Joe/Sammye)

- Will do a special mid-year vote to full membership for approval before San Diego. Watch for something after June 19th.
- CANN ElSohly award update was sent out that just defines the CHAS financial responsibility and to see details in CANN AI manual
 - CANN AI Julia will send link to Sammye
- Update on Journal (Harry)

- Transition going smooth
- First notification went out to subscribers by email yesterday.
- Jennifer Chesne liaison to ACS member services...wants us to update CHAS website showing membership rates our affiliates have higher rates because they do not have society membership in order to encourage membership in the society we already voted on 2020 dues rates. Mary Beth or Sammye should follow up.
- o Kali is officially the Development Editor of the Journal

Programming (Joe/Debbie)

- San Diego
 - Booth-Sammye will send out poll for scheduling
 - Will have a Safe Science talk in the theater
 - CHO is the only workshop with enough registrations right now
- Philly
 - Call for papers

• CANN Report (Julia)

- o Record increase in membership in June -up to 298
- o Proceedings from Spring & Fall ACS published in Terpenes and Testing Magazine
- Membership initiative cannot use third party to register or take payment for membership – want to compensate new members and are investigating purchase of gift cards to hnd out to register as member
- New webinar journal club series to start Sept 19 and first speaker identified
- ACS membership website lists current dues in chart as \$12 and \$42 instead of waiting to change on January 1st. Mary Beth or Sammye will contact Jennie from Member Services.
- Submitted for 4 symposia for Philly, possibly one more added
- CANN will make a CHAS-at-a-Glance like handout for CANN symposia
- Question: Vendors do sponsor symposia financially, but sponsorship from other organizations such as AICHE does have additional ACS guidelines to follow

Other Business

- Mary Beth has 6 or 7 speakers for SERMACS watch for a CHAS grant proposal by email
- Aug 15 we will have a webinar

Attendance Confirmed

Respectfully submitted, Monique Wilhelm

Secretary Report

Monique Wilhelm

Two votes were cast since our last national meeting. Both were conducted using the secured Qualtrics online survey system that uses personal links to keep surveys secure. Ballot links for both were sent to the election e-roster for the division as supplied by the ACS Office of Member Programs and Communities. Results are summarized below.

Election of 2020 Officers

Ballots sent to 1350 members, 1 reminder, 206 votes, up from 197 last year

2019 Chair-Elect, 2020 Chair, 2021 Past Chair

Harry: 133 votes, 64% Chris: 73 votes, 36%

Councilor

Debbie Decker: 205 votes, 99% Write In: Peter Zavon, 1 vote

Vote on approval of revisions to bylaws

Ballots sent to 1343 members, 150 ballots completed

Yes, I approve the revision to the bylaws: 149 votes No, I do not approve the revision to the bylaws: 1 vote

TREASURER'S REPORT

San Diego, CA 2019 Mary Beth Koza

Data as of 7 August 2019

Treasurer's comments

- Reimbursement requests due:
 - 15 Sept 2019
 - Send reimbursement requests to
 - Mary Beth Koza (<u>mbkoza2@gmail.com</u>)
 - Note address changes in transmittal email & on form
 - All receipts in single PDF; XL file as Excel
 - Name files: Yourlastname_San Diego_2019
- Financial condition of CHAS: Cautious/ Transtition

BALANCE SHEET SUMMARY

		As of	7 August 2019	31 December 2018
ASSETS				
	Current Assets			
		Checking/Savings	\$ 77,293.46	\$60,074
	Investments			
	TIAA-CREF inception x Operating Budget	\$89,514	\$110,147.53	\$97,702
TOTAL ASSETS				
LIABILITIES & EQUITY	Liabilities		\$0	\$0
	Equity		\$187,440.99	\$157,776
TOTAL LIABILITIE	S & EQUITY		\$187,440.99	\$157,776

BUDGET SUMMARY Calendar Year, 2019

	Budget, \$	Actual, \$
Income	\$120,700	89,899
Expenses	\$120,700	66,816
Operating Gain/Loss	\$0	23,083*

Orlando Mtg, awards, ACS pubs and San Diego expenses not included

Concerns

- As of 7-1-2019 ACS reduced the dues to all members to \$12.00
- Income to the Division will be reduced due to end of journal
- Detail analysis of this year's expenses and next year's income will be completed in October. Discussed at Nov, 2019 call
- Items to be considered with be
 - Executive Committee expenses
 - Workshop fees
 - Opportunities for CHAS donations

2019 Dues + \$36 Journal **2020 Dues** Regular Member 12 Regular Member 12 **Division Affiliate** 42 **Division Affiliate** 42 Society Affiliate 42 Society Affiliate 42 Student Member Student Member (Grad/Undergrad) (Grad/Undergrad) **Emeritus Status Emeritus Status** 00

FINANCIAL DETAILS

- Documentation Attached
 - Balance Sheet 2016-2019
 - 2018 Profit & Loss Statement
 - 2019 Profit & Loss Statement 8-7-2019
 - CANN P&L all and current year
 - CANN Transaction Statement

Division of Chemical Health & Safety

BALANCE SHEET

As of December 31, 2019

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ASSETS				
Current Assets				
Bank Accounts				
Bank Fee	1,330	317	317	317
CH1A CHECKING	54,789	46,339	56,325	73,816
Total Bank Accounts	\$56,119	\$46,656	\$56,642	\$74,134
Other Current Assets				
1499 Undeposited Funds	0	0	0	1,050
Total Other Current Assets	\$0	\$0	\$0	\$1,050
Total Current Assets	\$56,119	\$46,656	\$56,642	\$75,184
Other Assets				
C INVESTMENTS & OTHER ASSETS	-1,421	1,421	-5,226	-5,226
C1 INVESTMENTS/ASSETS - UNRESTR.				
C1D2 AMERIPRISE MUTUAL	-8,199	8,199	-8,199	-8,199
C1D2-1 FMV Adjustment, Ameriprise	8,227	8,227	8,227	8,227
C1D2-2 Ameriprise Setrtlement Fund	-28	-28	-28	-28
Total C1D2 AMERIPRISE MUTUAL	0	0	0	0
Total C1 INVESTMENTS/ASSETS - UNRESTR.	0	0	. 0	
C4 TIAA-CREF	92,121	101,801	105,606	110,148
Total C INVESTMENTS & OTHER ASSETS	90,700	100,380	100,380	104,922
Total Other Assets	\$90,700	\$100,380	\$100,380	\$104,922
TOTAL ASSETS	\$146,818	\$147,037	\$157,022	\$180,105
LIABILITIES AND EQUITY				
Liabilities				
Current Liabilities				
Credit Cards				
CHAS DEBIT CARD	0.0	0	0	
Total Credit Cards	\$0	\$0	\$0	\$0
Total Current Liabilities	\$0	\$0	\$0	\$0
Total Liabilities	\$0	\$0	\$0	\$ 0
Equity				
1110 Retained Earnings	121,069	146,818	147,037	157,022
Net Income	25,749	218	9,986	23,083
Total Equity	\$146,818	\$147,037	\$157,022	\$180,105
TOTAL LIABILITIES AND EQUITY	\$146,818	\$147,037	\$157,022	\$180,105

Division of Chemical Health & \$afety

PROFIT AND LOSS

January - December 2018

	TOTAL
Income	
4999 Uncategorized Income	300.00
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	23,245.20
SUBDIVISION	
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 WRKSHP	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

	TOTAL
Services	-1,250.00
Total Income	\$125,155.73
GROSS PROFIT	\$125,155.73
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	7,500.00
EXPENSE	
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	
공연 전한 사람들이 교통을 보고 하는 사람들이 하는 사람들이 되는 사람들이 없다.	
	32.90
B6B1d LSW Profit Sharing	
그는 아들은 물리가 되었다고 살아가는 그래는 물리는 물리투를 하였다면 하다고 들었다. 사람이 모양하다	
	300.00
B6B1 LAB SAFETY WORKSHOP B6B1b SAFETY INSTRUCTOR EXP B6B1c SAFETY MANUALS, etc B6B1d LSW Profit Sharing Total B6B1 LAB SAFETY WORKSHOP B6B2 CHO WORKSHOP B6B2a CHO INSTRUCTOR FEE B6B2b CHO INSTRUCTOR EXP B6B2c CHO MANUALS, etc.	32.90 756.00 1,021.04 1,809.94 300.00 150.00 32.90 900.00

		TOTAL
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
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
[1922] [1922] [1922] [1922] [1922] [1922] [1922] [1922] [1922] [1922] [1922] [1922] [1922] [1922] [1922] [1922]		
B6D WORKSHOP A/V		2,016.13
B6E Workshop, Coffee Fotal B6 CONF/WORKSHOPS/MEETINGS		4,819.13
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
otal Expenses	\$	115,169.96
IET OPERATING INCOME		\$9,985.77
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	TOTAL
NET INCOME	\$9,985.77

Division of Chemical Health & Safety

PROFIT AND LOSS

January 1 - August 7, 2019

		TOTAL
Income		
A1 CONTRIBUTIONS		
A1F DONATIONS		500.00
A1F2 DONATION CANN SUBDIVISION		2,000.00
A1F2A Heidolph North America		4,000.00
Total A1F2 DONATION CANN SUBDIVISION		6,000.00
A1F3 AMAZON Smile		96.77
Total A1F DONATIONS		6,596.77
A1G OTHER CONTRIBUTIONS		4,255.99
A1H NEW MEMBER COMMISSIONS		1,015.00
A1I REBATE FROM ACS		
A1I1 Councilor Expenses		2,192.45
Total A1I REBATE FROM ACS		2,192.45
Total A1 CONTRIBUTIONS		14,060.21
A3 PUBLICATIONS		10,000.00
A4 CONF/WORKSHOPS/MEETINGS		
A4A WORKSHOPS		-3,000.00
A4A1 CHO WORKSHOP		4,525.00
A4A10 GRAD STUDENT SAFETY WRKSHP		500.00
A4A11 Blame Free Investigation		5,000.00
A4A2 LAB SAFETY WORKSHOP		6,725.00
A4A3 HAZWASTE WORKSHOP		2,000.00
A4A5 REACTIVES WORKSHOP		3,400.00
Total A4A WORKSHOPS		19,150.00
Total A4 CONF/WORKSHOPS/MEETINGS		19,150.00
A5 DUES & ASSESSMENTS		
A5A ACS DUES - JAN - JUNE	장기를 하다 하는 사람들이 모르겠다.	23,876.00
A5D ANNUAL ALLOCATION FROM ACS		14,846.56
Total A5 DUES & ASSESSMENTS		38,722.56
A8 OTHER		
A8B MISCELLANEOUS		
A8B2 Exhibit Hall Fee		2,450.00
Total A8B MISCELLANEOUS		2,450.00
Total A8 OTHER		2,450.00
C3 UNREALIZED GAIN/LOSS MUTUAL		4,541.53
Services		-1,150.00
Unapplied Cash Payment Income	일일 보는 아내는 얼마 먹었다.	2,125.00
Total Income		\$89,899.30
GROSS PROFIT		\$89,899.30
Expenses	스토트 전체 그리고 있다면 하네요.	
B1 CONTRIBUTIONS EXP.		
B1A MEETING GRANTS/AWARDS		

	TOTA
B1A1 Collegeiate Lab Safety Award	1,082.1
B1A4 OTHER AWARDS	125.0
B1A5 AWARDS COMMITTEE EXPENSES	685.8
B1A6 Regional Meetings	1,000.0
Total B1A MEETING GRANTS/AWARDS	2,892.9
B1B INNOVATIVE FUNDING EXPENSE	1,540.8
Total B1 CONTRIBUTIONS EXP.	4,433.8
B2 NATIONAL MEETING EXPENSES	나는 보이 하는 것은 사람들은 이 기업을 받는 것이 되었다. 그런 그런 그런 그런 그런 그런 것이 되었다. 생물 보이 하는 것이 되었다면 보고 있는 것이 되었다. 그런 그런 것이 되었다는 것이 되었다.
B2A3 Other Miscellaneous Service Cost	2,450.0
B2E PLANNING EXPENSES	
B2E1 EXEC. COMM. MEETING	
B2E1a A/V Expenses	2,119.7
B2E1b REFRESHMENTS	1,260.0
Total B2E1 EXEC. COMM. MEETING	3,379.7
B2E2 STRATEGIC PLANNING	80.0
Total B2E PLANNING EXPENSES	3,459.7
B2I SOCIAL EVENT NAT MTG	1,500.0
Total B2 NATIONAL MEETING EXPENSES	7,409.7
B5 PUBLICATION EXPENSES	
B5F OTHER	
B5F1 JCHAS Expenses	
B5F1a JCHAS (Subs paid Elsevier)	25,950.0
Total B5F1 JCHAS Expenses	25,950.0
Total B5F OTHER	25,950.0
Total B5 PUBLICATION EXPENSES	25,950.0
B6 CONF/WORKSHOPS/MEETINGS EXP	
B6A INTERDIVISIONAL ACTIVITY	162.2
B6B OTHER	
B6B1 LAB SAFETY WORKSHOP	
B6B1b SAFETY INSTRUCTOR EXP	300.0
B6B1c SAFETY MANUALS, etc	828.0
B6B1d LSW Profit Sharing	1,166.1
Total B6B1 LAB SAFETY WORKSHOP	2,294.1
B6B10 Blame Free Incident Investigation	
B6B10a Blame Free instructor Fee	150.0
B6B10b Blame Free Instructor Expen	150.0
B6B10c Blame Free -manuals	240.0
B6B10d Blame Free Profit Sharing	674.2
Total B6B10 Blame Free Incident Investigation	1,214.2
B6B2 CHO WORKSHOP	
B6B2b CHO INSTRUCTOR EXP	300.0
B6B2c CHO MANUALS, etc.	150.0
B6B2d CHO Profit Sharing	321.3
Total B6B2 CHO WORKSHOP	771.3
B6B6 GRADUATE STUDENT SAFETY WORKSHOP	-25.0
B6B6e Grad Safety Course Snacks	530.7

	TOTAL
B6B7b REACTIVES INSTRUCTOR EXPENSES	300.00
B6B7c REACTIVES MATERIALS	240.00
B6B7d REACTIVES PROFIT SHARING	669.02
Total B6B7 Reactives Workshop	1,209.02
Total B6B OTHER	5,994.57
B6D WORKSHOP A/V	2,582.88
B6E Workshop, Coffee	642.60
Total B6 CONF/WORKSHOPS/MEETINGS EXP	9,382.31
B7 ADMINISTRATIVE	
B7A OFFICER EXP. (9A)	2,950.00
B7B COMMITTEE EXP	4,311.00
B7C COUNCILOR EXP	3,114.38
B7F DLC/P2C2 CONF EXP	
B7F1 DLC ATTENDEE EXP	1,745.38
Total B7F DLC/P2C2 CONF EXP	1,745.38
B7G SUPPLIES & OPERATIONS (9G)	167.05
B7G1 POSTAGE	64.35
Total B7G SUPPLIES & OPERATIONS (9G)	231.40
Total B7 ADMINISTRATIVE	12,352.16
B8 OTHER EXP (9G)	
B8A CREDIT CARD PROCESSING FEE	585.65
B8B ACCOUNTING EXPENSES	219.87
B8C ADVERTISING	962.98
B8E BANK SETTLEMENT EXPENSES	15.00
Total B8 OTHER EXP (9G)	1,783.50
B9 CANNABIS SUBDIV EXP	
B9A1 Advertising/Promotional	789.66
B9A2 Heidolph North America scholarship	4,330.33
B9A5 CANN ADMIN & POSTAGE	384.86
Total B9 CANNABIS SUBDIV EXP	5,504.85
Total Expenses	\$66,816.44
NET OPERATING INCOME	\$23,082.86
NET INCOME	\$23,082.86

Division of Chemical Health & \$afety

CANN P&L

January 1 - August 7, 2019

TOTAL
2,000.00
2,000.00
2,000.00
\$2,000.00
\$2,000.00
789.66
789.66
\$789.66
\$1,210.34
\$1,210.34

Division of Chemical Health & \$afety

CANN P&L

All Dates

마음 보다 보는 것이 되는 것이 되었다. 그는 것이 되었다. 생물에 대한 경우를 보고 있다. 그는 것이 그는 것이 되었다.	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F2 DONATION CANN SUBDIVISION	35,906.92
Total A1F DONATIONS	35,906.92
Total A1 CONTRIBUTIONS	35,906.92
Total Income	\$35,906.92
GROSS PROFIT	\$35,906.92
Expenses	
B9 CANNABIS SUBDIV EXP	9,215.23
B9A1 Advertising/Promotional	14,954.41
Total B9 CANNABIS SUBDIV EXP	24,169.64
Total Expenses	\$24,169.64
NET OPERATING INCOME	\$11,737.28
NET INCOME	\$11,737.28

Division of Chemical Health & Safety

TRANSACTION REPORT

January 1 - August 7, 2019

DATE	TRANSACTION NUM	NAME	MEMO/DESCRIPTION	ACCOUNT	SPLIT	AMOUNT	BALANCE
Bill							
04/14/2019	Bill	EZRA PRYOR	Advertising materials for CANN	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	2000 Accounts Payable	189.66	189.66
Total for Bill						\$189.66	
Deposit				불러보다 근로 열대를 받지 않는다.			
03/19/2019	Deposit		PAYPAL DES:TRANSFER ID:1005205112060 INDN:NEAL LANGERMAN CO ID:PAYPALSDW1 PPD	A1F2 CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION	CH1A CHECKING	250.00	250.00
07/10/2019	Deposit		Counter Credit	A1F2 CONTRIBUTIONS:DONATIONS:DONATION CANN SUBDIVISION	CH1A CHECKING	1,750.00	2,000.00
Total for Depo	sit					\$2,000.00	
Expense				살충 얼마나 하는 그렇게 하시다.			
06/14/2019	Expense	ACS	CHECKCARD 0612 ACS EXPOSITIONS 800-333-9511 DC 24072809164207577600034 CKCD 5192 XXXXXXXXXXXXX5513	B9A1 CANNABIS SUBDIV EXP:Advertising/Promotional	CH1A CHECKING	600.00	600.00
Total for Expe	nse					\$600.00	
TOTAL						\$2,789.66	

Chair Elect Report

Robin Izzo, Division Chair-Elect

The table on the following pages provides a snapshot of CHAS leadership for 2020.

Committee Chairs and others listed in green will remain in the position shown for 2020. Committee members shown in black are in the committee based on position. Committee Chairs listed in blue are new and being recommended to assume the committee tasks in 2020.

RECOMMENDATION 1: Renew committee chairs AND Liaisons in green. RECOMMENDATION 2: Appoint committee chairs in blue.

Updates

Since the Journal is now separate from CHAS, the Editorial Board and Editor are not included in this report. The Publications Committee is not included in this table. The EC should discuss whether to continue the committee and the roles and responsibilities of the committee.

The EC did not act upon the recommendation to remove the Committee on International Affairs Liaison. Brandon Chance has agreed to fill this role.

The EC voted to continue "Other" committees (Audit, Regulatory & Public Affairs, Social, Regional Meetings, Development, Educational Program). This action will be due in 2028. The EC also voted to renew Debbie Decker as Program Chair, since she had exceeded two consecutive terms.

RECOMMENDATION 3: Remove the Editorial Board and Editor. RECOMMENDATION 4: Remove the Publications Committee

CHAS 2020

ROLE	Last Name	First Name	Affiliation	Email
Elected Positions				
Chair (2020)	Izzo	Robin	Princeton	rmizzo@PRINCETON.EDU
Chair-Elect	Elston	Harry	Midwest Chemical	helston@FGI.NET
(2019)	Liston	Tidity	iviiawest chemical	HEISTONIET GI.NET
Immediate Past-	Sigmann	Sammye	Appalachian State	sigmannsb@APPSTATE.ED
Chair (2020)		, -	University	U
Secretary (2020)	Wilhelm	Monique	Univ. Michigan-Flint	mwilhelm@UMICH.EDU
Treasurer (2021)	Koza	Mary Beth	UNC Chapel Hill	mbkoza2@GMAIL.COM
Councilor (2022)	Decker	Debbie	Univ. of California, Davis	dmdecker@UCDAVIS.EDU
Councilor (2020)	Wood-Black	Frankie	Sophic Pursuits	fwoodblack90@gmail.com
Alt. Councilor (2020)	Chance	Brandon	Southern Methodist University	bchance@mail.smu.edu
Alt. Councilor	Langerman	Neal	Advanced Chemical	neal@CHEMICAL-
(2021)			Safety	SAFETY.COM
Member At	Sweet	Ellen	Cornell	ems325@cornell.edu
Large (2020)				
Member at	Kuespert	Dan	Johns Hopkins	dankuespert@me.com
Large (2021)		University		
CANN (2021)	Bramante	Julia	Colorado Dept	jmbramante@gmail.com
			Public Health &	
			Environ.	
Committee Chairs		· · · · · · · · · · · · · · · · · · ·		
Audit (Al 104)	Koza	Mary Beth	UNC Chapel Hill	mbkoza2@GMAIL.COM
Regulatory &	Serrano	Kali	Univ. of Illinois	mille138@illinois.edu
Public Affairs			Urbana-Champaign	
(AI 105)				
Program	Decker	Debbie	Univ. of California,	dmdecker@UCDAVIS.EDU
(AI 108)			Davis	
[Permanent]				
Membership	Stuart	Ralph	Keene State College	secretary@DCHAS.ORG
(AI 109)				
[Standing]	D: 1 '		0 0 1 1 1	
Nominations &	Pickel	Joe	Oak Ridge National	pickeljm@ornl.gov
Elections			Laboratory	
(Al 110)				
[Standing]	Avadbasida	۸di	Cafaty Ctratus	adi@cafotyetratus com
Social	Avadhanula	Adi	Safety Stratus	adi@safetystratus.com
(Al 111) Awards	Brown	Kimi	University of	kimihuch@ohrc upopp od:
(Al 112)	BIUWII	KIIIII	Pennsylvania	kimibush@ehrs.upenn.edu
[Standing]			i cillisylvallia	
[Juanumg]				1

ROLE	Last Name	First Name	Affiliation	Email
Long Range	Sigmann	Sammye	Appalachian State	sigmannsb@APPSTATE.ED
Planning			University	<u>U</u>
(AI 113)				
[Standing]				
Regional	Lassiter	Mark	Montreat College	mlassiter@montreat.edu
Meetings				
(AI 117)				
Development	Incarvito	Chris	Yale University	chris.incarvito@yale.edu
(AI 119)				
Educational	Phifer	Russ	Consulting	rphifer@WCENVIRONMEN
Program (AI				TAL.COM
506)				
Liaisons				
CCS Liaison	Fivizzani	Ken	Retired	kfivizzani@WOWWAY.CO M
American	Jones	Jerry	SBC Globaal	jjonespe@sbcglobal.net
Institute of				
Chemical				
Engineers				
American	Galdenzi	Bill	Boehringer	bill.galdenzi@boehringer-
Industrial			Ingelheim	ingelheim.com
Hygiene			Pharmaceuticals,	
Association			Inc.	
Division of	Langerman	Neal	Advanced Chemical	neal@CHEMICAL-
Chemistry and			Safety	SAFETY.COM
the Law (CHAL)				
National	Phifer	Russ	Consulting	rphifer@WCENVIRONMEN
Registry of				<u>TAL.COM</u>
Certified				
Chemists (NRCC)				
Committee on	Chance	Brandon	SMU	bchance@mail.smu.edu
International				
Affairs (IAC)				
Division of	Finster	David	Wittenberg	dfinster@wittenberg.edu
Chemical			University	
Education				
(CHED)				

Committee Members

Interim Committee

• Izzo, Robin Chair

Elston, Harry Chair-electWilhelm, Monique Secretary

Sigmann, Sammye Long-Range Planning Chair

• Koza, Mary Beth Officer

Executive Committee (Voting Members)

• Izzo, Robin Chair

• Elston, Harry Chair-elect

• Sigmann, Sammye Immediate Past Chair and Nominations and Elections Chair

Koza, Mary Beth Treasurer and Audit Chair

• Wilhelm, Monique Secretary

Decker, Debbie Councilor and Program Chair

Wood-Black, Frankie Councilor

Chance, Brandon Alt. Councilor
 Langerman, Neal Alt. Councilor
 Kuespert, Dan Member-at-Large
 Sweet, Ellen Member-at-Large

Serrano, Kali Regulatory & Public Affairs Chair

Avadhanula, Adi Social Chair

Lassiter, Mark Regional Meetings Chair
 Phifer, Russ Educational Programs Chair
 Incarvito, Chris Development Chair

Julia Bramante Chair of CANN Subdivision (ex-officio)

Membership Committee

- Chance, Brandon
- Izzo, Robin
- Pickel, Joe
- Sturdivant, James (Princeton University, <u>is4@Princeton.edu</u>)

Program Committee

• Pickel, Joe

Long Range Planning

Doemeny, Larry (NIOSH retired, <u>Idoemeny@cox.net</u>)

Awards

Hill, Bob (National Awards) (Battelle retired, Robert Hill@mindspring.com)

Social

• Izzo, Robin

Councilors' Report

Frankie Wood-Black & Debbie Decker

Councilor Report

There has been a change in the make-up of Council that did effect four divisions – Agriculture and Food Chemistry, Chemical Information, Energy and Fuels, and Industrial and Engineering Chemistry. Each of those four divisions lost a councilor for the 2020-2023 cycle. This was a Bylaw imposed reduction as the make-up of Council is 20% of the Councilors are from Divisions, and 80% form Local Sections. The Council Policy Committee, CPC, has to set the divisor to determine the representation and meet the Required Bylaw proportions. The divisor for Divisions was set at 870 members and the for local sections at 405 members.

The Fall meeting is the time when the Council votes on the elected committees, CPC, the Committee on Committees, and Nominations and Elections. CHAS members that are being considered for election are Ken Fivizzani for election to CPC, and Harry Elston for the Committee on Committees.

There will also be a vote on the recommendation for the continuation of the Committee on Chemical Abstracts Service.

There will be a a vote on the proposal for the realignment of electoral districts. The Bylaws indicate that the District populations should be monitored to ensure that the district populations are evenly distributed. District III was below the permissible range at the end of 2018. The Committee on Nominations and Elections has the responsibility of looking at the distributions of local sections that comprise the districts and make recommendations. The proposal being presented to Council is to move the Pittsburg Location from District III to bring that district into the permissible range. The working group looked at several different criteria before making its recommendation.

A vote on the approval of The Chemical Professional's Code of Conduct as there are numerous changes the proposed Code of Conduct has been provided here:

The Chemical Professional's Code of Conduct

The American Chemical Society expects its members to adhere to the highest ethical and safety standards. Indeed, the Federal Charter of the Society (1937) explicitly lists among its objectives "the improvement of the qualifications and usefulness of chemists through high standards of professional ethics, education and attainments..." The chemical professional endeavors to advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people and has obligations to the public, to colleagues, and to science.

"The Chemist's Creed," was approved by the ACS Council in 1965. The principles of The Chemist's Code of Conduct were prepared by the Council Committee on Professional Relations, approved by the Council (March 16, 1994), and replaced "The Chemist's Creed". They were adopted by the Board of Directors (June 3, 1994) for the guidance of Society members in various professional dealings, especially those involving conflicts of interest. The Chemist's Code of Conduct was updated and replaced by The Chemical Professional's Code of Conduct to better reflect the changing times and current trends of the Society in 2007. A previous revision was approved by Council on March 28, 2012 and adopted by the Board of Directors on June 1, 2012. The current revision was approved by Council on August 24, 2016 and adopted by the Board of Directors on December 2, 2016.

Chemical Professionals Acknowledge Their Responsibilities

To the Public

Chemical professionals should actively be concerned with the health and safety of co-workers, consumers and the community. They have a responsibility to serve the public interest and to further advance the knowledge of science. Public comments on scientific matters should be made with care and accuracy, without unsubstantiated, exaggerated, or premature statements.

To the Science of Chemistry

Chemical professionals should seek to advance chemical science, understand the limitations of their knowledge, and respect the truth. They should ensure that their scientific contributions, and those of their collaborators, are thorough, accurate, and unbiased in design, implementation, and presentation.

To the Profession

Chemical professionals should strive to remain current with developments in their field, share ideas and information, keep accurate and complete laboratory records, maintain integrity in all conduct and publications, and give due credit to the contributions of others. Conflicts of interest and scientific misconduct, such as fabrication, falsification, and plagiarism, are incompatible with this Code.

To Their Employer

Chemical professionals should promote and protect the legitimate interests of their employers, perform work honestly, competently, comply with safety policies and procedures, fulfill obligations, and safeguard proprietary and confidential business information.

To Their Employees or Subordinates

Chemical professionals, as employers and managers, should respect the professionalism of their subordinates, and have concern for their wellbeing, without bias. Employers should provide them with a safe,

congenial working environment, fair compensation, opportunities for advancement, and properly acknowledge their scientific contributions.

To Students

Chemical professionals should regard the tutelage of students as a trust conferred by society. They should promote professional development, learning, and safety, and treat each student fairly, respectfully, and without exploitation.

To Colleagues

Chemical professionals should treat colleagues with respect, encourage them, learn with them, share ideas honestly, and give credit for their contributions. Chemical professionals should carefully avoid any bias based on race, gender, age, religion, ethnicity, nationality, sexual orientation, gender expression, gender identity, presence of disabilities, educational background, or other personal attributes. They should show consistent respect to colleagues, regardless of the level of their formal education and whether they are from industry, government or academia, or other scientific and engineering disciplines.

To Their Clients

Chemical professionals should serve clients faithfully and incorruptibly, respect confidentiality, advise honestly, and charge fairly.

To the Environment

Chemical professionals should strive to do their work in ways that are safe for the environment. They have a responsibility to understand the total impact of their work, to recognize the constraints of limited resources, and to develop sustainable products and processes that protect the health, safety, and prosperity of future generations.

To Temporary Employees

Chemical professionals should establish clear job descriptions, scope of work, terms of contract, and appropriate compensation prior to start of work by contractors, interns, or consultants.

They are also responsible for communicating safety concerns and providing necessary training associated with expected work. For more information about the Department of Career and Professional Advancement, please see our Contacts List.

Chemical professionals should seek to advance chemical science while striving for the highest standards of scientific integrity. This includes sharing ideas and information, keeping accurate and complete records, and giving due credit to the contributions of others. Undisclosed

conflicts of interest and scientific misconduct, including fabrication, falsification, and plagiarism, are incompatible with this code.

Chemical professionals should be aware of laws and regulations related to the professional conduct of science to ensure that their profession is practiced safely and appropriately.

Chemical professionals should be actively concerned with the health and safety of co-workers, consumers, and the community. Professionals have a responsibility to serve the public

Interest and to further advance scientific knowledge. This includes ensuring that public comments are made with care and accuracy to avoid unsubstantiated, exaggerated, or premature statements.

Chemical professionals should treat others with respect and will not engage in discrimination, harassment, bullying, dishonesty, fraud, misrepresentation, coercive manipulation, censorship, or other misconduct. Such actions apply to all professional, research, and learning environments, regardless of whether or not the action alters the content, veracity, or meaning of research findings, and regardless of whether or not the action affects the planning, conduct, reporting, or application of science.

Chemical professionals should take responsibility to act or intercede where possible to prevent misconduct. This includes reporting suspected research misconduct, as well as any discrimination, harassment, bullying, dishonesty, fraud, misrepresentation, coercive manipulation, or censorship.

Chemical professionals should be mindful of Implicit Bias and Unconscious Bias and strive to avoid all bias based on race, gender, age, religion, ethnicity, nationality, sexual orientation, gender expression, gender identity, presence of disabilities, educational background, or other personal attributes.

Chemical professionals should strive to do their work in ways that are safe and sustainable for the environment. This includes continuing to work to develop sustainable products and processes that protect the health, safety, and prosperity of future generations. Chemical professionals should serve clients faithfully and incorruptibly, respect confidentiality, advise honestly, and charge fairly. Additionally, they should promote and protect the legitimate interests of their employers, comply with safety policies and procedures, fulfill obligations, and safeguard proprietary and confidential business information.

Chemical professionals should strive for continual professional growth both personally and more broadly in the tutelage of others as a trust conferred by society. Professionals have a responsibility to understand the limitations of their knowledge, remain current with developments in their field, learn with and encourage others.

And, there will be an introduction of a petition on a Bylaw change that will be before the council at the Spring meeting. The first is an addition to the Bylaws under Bylaw I Membership Section 3 Sec. 6.

- a. Ten members or five voting Councilors may submit amendment(s) to the dues and benefits of membership to the Council Committee on Membership Affairs by petition, with at least five weeks prior notice to the committee's next official meeting. The Council Committee on Membership Affairs shall consider the proposed amendment(s) at an official meeting and may approve by a majority affirmative vote. After the meeting, the committee shall include the amendment(s) in the next release of the dues and benefits of membership.
- b. If the amendment(s) are not approved by the Council Committee on Membership Affairs, the decision may be appealed to the Council Policy Committee by written petition of 25 voting Councilors at least eight weeks prior to the next Council meeting. The Council Policy Committee shall consider the proposed amendment(s) at an official meeting and may approve by a majority affirmative vote. If approved, after the meeting, the Council Policy Committee will mandate that the Council Committee on Membership Affairs include the amendment(s) in the next release of the dues and benefits of membership.
- c. If the Council Policy Committee does not approve the amendment(s), an appeal may be brought to the Council floor for action if at least three-tenths (3/10) of voting Councilors agree to its consideration. The Council shall consider the proposed amendment(s) at an official meeting and may approve by a majority affirmative vote. If approved, after the meeting the Council will mandate that the Council Committee on Membership Affairs include the amendment(s) in the next release of the dues and benefits of membership.

In addition to this addition, language related to student members, society affiliates is being suggested for removal. The purpose of these changes are to allow for more flexibility in the membership categories in hopes that ways can be found to mitigate the declining membership.

Member-At-Large Report

Dan Kuespert & Ellen Sweet

- 1. American Institute of Chemical Engineers (AIChE) and The Center for Chemical Process Safety (CCPS). (Jerry Jones liaising)
- A. CCPS has appointed Jerry Jones as liaison to CHAS, replacing Dennis Hendershot. Jerry is pleased to be working with CHAS.
- B. Jerry has already provided a few authors and ideas for future ACS meeting programming.
- C. Jerry has notified us that CCPS will be issuing a Guidelines book on Risk-Based Process Safety in Laboratories and Pilot Plants sometime in 2020.
- 2. CHED (Dave Finster liaising)
- A. The new DivCHED Exams Institute safety exam is finished and should be appearing this fall.
- B. The CHED Safety Committee is increasingly working on programming with CHAS.
- C. Summer 2020 will see a special safety issue of the Journal of Chemical Education.
- D. The Feb 2019 Presidential Safety Summit at the ACS offices focused on safety education, and developed many action items for CHED.
- 3. CCS (Ralph Stuart reporting, although Ken Fivizzani appears to be official liaison). CCS's principal activity was the Presidential Safety Summit, which Ralph summarized in the most recent issue of JCHAS.
- 4. Chemistry and the Law. (Neal Langerman liaising). No report.
- 5. National Registry of Certified Chemists. (Russ Phifer liaising). No report.
- 6. American Industrial Hygiene Association. (Bill Galdenzi liaising). No report.

Division of Chemical Health and Safety Cannabis Chemistry Subdivision Report

Fall 2019, San Diego, CA - 258th 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

Secretary

Melissa Wilcox

mjwilcox361@gmail.com

Programming Committee Chair

Markus Roggen

roggenmarkus@gmail.com

Membership Committee Chair

Ezra Pryor

ezra.pryor@gmail.com

Public Relations 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

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

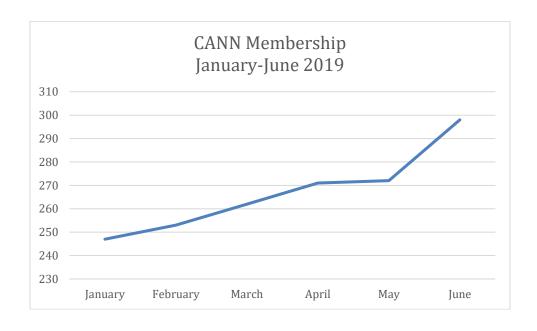
Membership Committee

Total Members as of June 2019:

298 Members

CANN's total membership has continued to grow throughout the year 2019. In the past five months, the Membership Committee has implemented several initiatives pivotal in the growth and retention of CANN's membership. These initiatives include:

- CANN's membership drive, to launch on August 19th, 2019 and extend until August 30th, 2019. The membership drive will provide new ACS members, Division affiliates, and Society affiliates a sponsored membership when they join CANN during the duration of the drive.
- The compilation of a drop list and subsequent correspondence with prior members of CANN
- The creation of a CANN Newsletter, to be disseminated to membership quarterly.



Programming Committee

Fall 2019, San Diego, CA 258 National Meeting CANN Schedule of Events

Sunday, August 25th, 2019

Booth Set Up

Time: 8:00 AM-3:00 PM

Location: Booth 2440, Exhibition Hall, San Diego Convention Center

❖ Booth Hours

Time: 5:30 PM- 7:30 PM

Location: Booth 2440, Exhibition Hall, San Diego Convention Center

Monday, August 26th, 2019

❖ Booth Hours

Time: 9:00 AM- 5:00 PM

Location: Booth 2440, Exhibition Hall, San Diego Convention Center

❖ CANN EC Meeting

Time: 5:00 PM-7:00 PM PST

Location: 1848 Titus Street, San Diego, CA 92110, United States

Tuesday, August 27th, 2019

Symposium: Cannabis Production: Streamlining the Flow

Time: 8:30 AM- 11:50 AM

Location: Rancho Santa Fe 3, Marriott Marquis San Diego Marina

Symposium: Cannabis & Water: Merging the Insoluble

Time: 1:30 PM- 4:40 PM

Location: Rancho Santa Fe 3, Marriott Marquis San Diego Marina

❖ Booth Hours

Time: 9:00 AM- 4:00 PM

Location: Booth 2440, Exhibition Hall, San Diego Convention Center

Booth Break Down

Time: 4:00 PM

Location: Booth 2440, Exhibition Hall, San Diego Convention Center

CANN Networking Event

Time: 6:00 PM- 8:00 PM

Location: Henry's Pub, 618 Fifth Ave, San Diego, CA 92101

ACS ChemLuminary Awards Ceremony

Time: 8:00 PM- 12:00 AM

Location: Manchester Grand Hyatt San Diego, 1 Market Place, San Diego, CA 92101

Wednesday, August 28th, 2019

Symposium: Cannabis & Hemp Analytical Science: The Glass is (More Than) Half-

Full

Time: 1:30 PM-5:05 PM

Location: Rancho Santa Fe 3, Marriott Marquis San Diego Marina

Spring 2020, Philadelphia 259th National Meeting Call for Papers Titles

Cannabis and Water: Merging the Insoluble

- ❖ Women in Cannabis
- Micro vs Macrodosing: Medical vs Recreational
- The Next Generation: Cannabis Delivery Beyond Smoking
- Enzymes and Metabolism of Cannabinoids

Publication Committee

Publication Committee has grown considerably in regards to the breadth of ongoing projects since last update. The committee is on track to fulfill its pre-existing commitment to publishing partner Terpenes and Testing (T&T) Magazine for article and blog content. Additionally two new agreements with T&T have been executed. The first is for the hosting of CANN Journal Club on the T&T website along with promotion to T&T audiences. This partnership is contracted for one year, starting September 2019, with an option to extend for a second year. The second agreement is for the publication of proceedings from CANN symposia at ACS National meetings in T&T Magazine. This deal is on a two year term and began in June 2019. The first inaugural proceedings was published this month, July 2019. The committee sees this as a valuable stepping stone toward publication of a peer reviewed CANN journal in the future. In addition to these agreements, CANN has also partnered with Analytical Testing to provide speakers for two of their Online Symposia in the year 2019.

Safety Committee

The Safety Committee is currently drafting a white paper on solvent use in extraction. The white paper has utilized a combination of USP, state, and federal (OSHA) standards and guidelines to create rankings of solvents commonly used in extraction. The rankings are primarily based on risk to the industry workers, consumers, and the environment. The white paper is projected to be completed within the year 2019.

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. A total of 16 abstracts were received for the 2020 ElSohly Award. The committee will announce the winners of the 2020 ElSohly Award in August 2019.

The Scholarship Committee is also driving efforts to improve the application process by creating and implementing a fillable forms system to include an ethics statement agreement as well as a section that directs applicants to join CANN if they are not yet members. Additionally, the committee is working on an internal scoring document as well as an outward facing document for potential applicants to better understand how their submissions are graded. These initiatives are scheduled to be ready for the application process for the ElSohly Award 2021.

Social Committee

The Social Committee is being renamed "Public Relations Committee" to encompass the development and growth of the committee in response to CANN's needs. Public Relations Committee exists to oversee and fulfill:

- ❖ Social Media
 - o Instagram, Facebook, and LinkedIn
- Graphic Design and Content Development
- Networking and Promotion
- Community Outreach

Social Media Update

- Instagram
 - o Followers 2062
 - Average Impressions per week 2000
- Facebook
 - o Followers 1996
 - o Page Likes 1890
- LinkedIn
 - o Followers 177

Conference Presence

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

❖ Fall 2019 - Portland, OR

Networking Events

CANN has a networking scheduled for the Spring 2019 ACS National Meeting in San Diego and for the Cannabis Science Conference in Portland, OR in September of 2019.

Development Committee

CANN has received several donations in the first half of 2019, and is expecting the same for the remainder of the year. Thus far in 2019, CANN has raised the following amounts from the corresponding companies:

Rotachrom - \$4,000

Medicinal Genomics Corporation - \$1,750

Heidolph - \$4,000

Chinese Section

Hang Ma, the Chair of the Chinese Section, attended the China International Hemp Industry Forum on July 3rd and 4th in Haerbin, China and took the opportunity to introduce CANN to its attendees and organizers. The Chinese Section will continue to explore outreach and collaborative opportunities between CANN and researchers in China.

Member-At-Large Report

Debbie Decker & Joe Pickel

Orlando programming included two Presidential symposia: "The Chemistry of Disasters," and "Bridging the (Safety) Gap between Academia and Industry", a Presidential cosponsored symposia with Analytical Chemistry Division, and the inaugural ElSohly Award Symposium, sponsored by CAAN. Forty two papers were presented with four posters at Sci-Mix and presence on "Division Row." We also co-sponsored a YCC symposium, "Chemistry in Space: Future Directions."

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

- PRES/CHAS: The Chemistry of Disasters
- ANYL/PRES: Connecting Safety, Education, Training & Productivity in Analytical Laboratories
- I&EC/PRES: Keeping Water Safe
- CHED: Academic Laboratory Safety
- Division of Chemical Health & Safety Awards
- Connecting Professionalism, Safety & Ethics: Opportunities & Challenges
- CHAS 40th Anniversary Symposium
- DCHAS Poster Session at Sci-Mix
- Cannabis Production: Streamlining the Flow
- Cannabis & Water: Merging the Insoluble
- Graduate Students Perspective on Safety Education
- Cannabis & Hemp Analytical Science: The Glass is (More Than) Half-Full

For the Philadelphia meeting in Spring 2020, MAPS will close for author submissions on October 14, 2019. The theme for this meeting is "Macromolecular Chemistry: The Second Century."

The symposia are as follows:

- Chemical Safety Film Festival (Izzo)
- Designing and Operating Facilities with Safety in Mind (Incarvito)
- Designing Safety into an Undergraduate Laboratory Curriculum: Beyond Safety Rules (Stuart)
- Safety Across the Scientific Disciplines: Where are the successes and what needs improvements (Stuart)
- CHAS Poster Session (Pickel)
- Second Annual ElSohly Award Symposium (Boyar)
- Women in Cannabis (Bramante)
- Micro- vs. Macro-dosing: Medical vs. Recreational (Witowski)
- The Next Generation" Cannabis Delivery Beyond Smoking (Witowski)

The Fall 2020 National Meeting returns to San Francisco with the theme of "Chemistry from Bench to Market." The meeting is scheduled August 16-20, 2020.

Pacifichem 2020 will be held in Honolulu, December 15-20, 2020. It would appear they're still accepting proposals for symposia. Let us know if you're interested in collaborating on a safety symposium.

Awards Committee Report

Kimi Brown, Awards Committee Chair

Words of Thanks from the Awards Chair

The Awards Chair wishes to recognize the contributions (and patience) of the Awards Committee Selection Sub-Committee. The membership list is confidential, but these unsung heroes pour over the nomination submissions and execute the difficult task of evaluating the applications to select the awardees.

This year, the Sub-Committee, as well as the CHAS Executive Committee, has provided me with valuable input and guidance to improve and expand the CHAS Awards and better align it with the ACS National Awards program.

I am also grateful to everyone who suggested or submitted nominations for 2019. We were able to recognize one or more person/organization for each award.

2019 Award Recipients

The 2019 CHAS Awards will be presented at the annual CHAS Awards Symposium, on Sunday, August 25th at 1:30 pm in Rancho Santa Fe 3, Marriott Marquis San Diego Marina.

Kimi is looking for a volunteer to take photos of the awards presentations at the symposium.

The award winners (announced previously) are as follows. Names designated with a "*" will be delivering a presentation at the symposium.

Howard Fawcett Award:

Outstanding contribution to the science, technology, education and communication of chemical health and safety

- *Samuella Sigmann: What can we learn from Lemony Snicket?
 - Plus, invited guest speaker: *Stella Sommer: Rasmussen's Risk Management
 Framework Applied to Academic Laboratory Safety

Tillmanns-Skolnik Award:

Outstanding, long-term service to the Division of Chemical Health and Safety

• *Harry Elston: Leading from the front: Thoughts for the next generation of safety (and CHAS) leaders.

Lifetime Achievement Award:

A lifetime of dedication and service to the American Chemical Society, the ACS Division of Chemical Health and Safety, and the field of chemical health and safety

- *Ken Fivizzani: Seeking the promised land of chemical safety
- Doug Walters

SafetyStratus College and University Health and Safety Award:

The most comprehensive laboratory safety program in higher education (undergraduate study only)

 University of Pittsburgh, Department of Chemistry (*Dr. Marie Huston) and Department of EH&S (*Keith Duval): Safety culture growth catalyzed by an undergraduate laboratory safety course

CHAS Fellows:

CHAS members in good standing who have provided continuous service with 15+ years of CHAS membership or 7+ years of membership with at least 3 years of active participation

Those Fellows who are unable to attend the symposium should see Kimi to receive their

certificate and pin.

- Kuespert Daniel R
- David Finster
- James Kaufmann
- Chris Incarvito
- Marta Gmurczyk

Student Meeting Registration Award:

This award will be given each year to up to two students for each of the two National ACS meetings. The award is sponsored by ACS Member Insurance. Two student recipients for 2019 presented in Orlando. Two more have already applied: one for Spring and one for Fall of 2020.

Update on Committee Activities:

- 1. 2020 Award Nomination period now open
 - a. See the DCHAS.org website for details.
 - b. New award announced in Spring 2019 is now open for nominations:

Final Award Name: LABORATORY SAFETY INSTITUTE GRADUATE RESEARCH FACULTY SAFETY AWARD.

Purpose: To recognize graduate-level academic research faculty who demonstrate outstanding commitment to chemical health and safety in their laboratories.

- 2. The committee initiatives announced in Spring of 2019 were completed on schedule:
 - a. Created application forms for submitting nominations for all awards
 - b. Finalized "Nominations Guidelines" document to clarify procedures for submitting nominations.
 - Finalized criteria and submission process for LSI Graduate Research Faculty Safety Award
- 3. Other Awards Committee Procedures and Membership Update

- a. Selection Sub-Committee was increased from 0 members to 7 in the past year, but we are still looking for more volunteers! Ideally, we would have more members to better distribute the nomination applications for review.
- b. A Box account was created using the Awards@DCHAS.org email address so that all awards committee documents can be easily transferred to the next chair and nomination applications can be more easily shared (on an individual permissions-level basis) for review by the selection subcommittee members.

4. Upcoming initiatives:

- a. Initiative to increase nomination application quantity and diversity:
 - i. Will be establishing a more robust canvassing program by requesting the assistance of regional section chairs to serve as a "Canvassing Subcommittee". Anticipated completion: March 2020
 - ii. Will create a list for each award of targeted announcements and methods of soliciting nominations that are specific to the intended nomination pool.

Long Range Planning Committee Report

Sammye Sigmann, Committee Chair

ITEM 1: Progress on Issuance Updates

Approved March 31

- AI 708 - CHAS Student Registration Award

Approved June 27

- AI 701, 702, 703, 704, 704, 705, 707, 709 Various Award Issuances
- AI 501

ITEM 2: AI 706

Submitted for Approval in July, but not noted as approved?

- AI 706 – CANN ElSohly Award

DIVISION OF CHEMICAL HEALTH AND SAFETY Administrative Issuance 706

- 0 The ElSohly Award (financially administered by CHAS)
- 1 Function:

This award recognizes outstanding contributions and/or commitments to cannabis chemistry and cannabis science.

2 Date:

Original Issuance: 03/02/2017 Revisions: 02/09/2018, 03/18/2018

Revision/Effective Date:

3 Nature of the Awards

Management information on this award is in the CANN Administrative Manual.

ITEM 3: Remove References to Journal of Chemical Health & Safety

Administrative Issuance 09 – Establishment of Subdivisions

Page 40; 7D – In addition to participation in Divisional symposia, the Subdivision will be an active participant in Divisional activities by submitting and organizing symposia around the specific area of the field of Chemical Health and Safety covered and submitting articles to the *Journal of Chemical Health & Safety*.

Administrative Issuance 116 - CHAS Publications Committee

The CHAS Publications Committee is defined in Bylaw V(e) 17 of this manual.

Administrative Issuance 201 – Speaker Travel

Page 78; 4 - Generally, the speaker should submit a copy of the presentation to either an ACS peer reviewed journal or the Division for possible publication.

LRP F19 1

Administrative Issuance 503 – Secretary

Page 99; 4 Agenda Book – Remove "Publications" from Committee Reports.

Administrative Issuance 504 – Treasurer

Page 101; Tasks – Acting as a "Business Manager" for publication of the Division journal (Journal of Chemical Health & Safety)

Administrative Issuance 707 – Lifetime Achievement Award

Page 123; 4 - ...contributions of articles and service to the CHAS *Journal of Chemical Health and Safety* and or other publications related to chemical health and safety...

LRP F19 2

ITEM 3: Update AI 02 Division Organizations to Reflect Bylaw Changes/Journal Sale

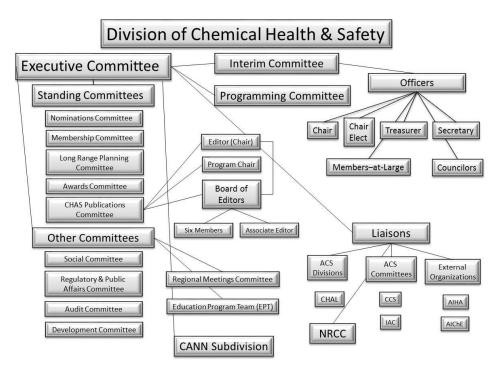


Figure 1 – Current Chart

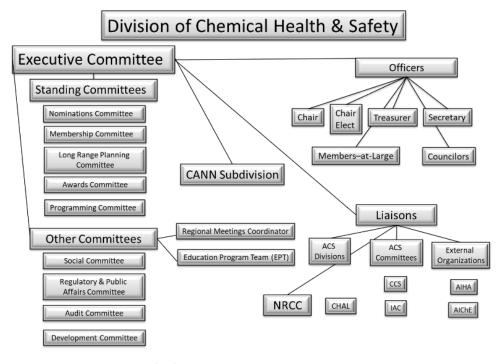


Figure 2 - Proposed Chart

LRP F19 3

Membership Committee Report

Ralph Stuart, Membership Committee Chair

Membership trends

The July membership report shows 1484 members. This is up about 100 since the January report and is up about 40% from 1049 in 2015. We attribute these changes to increased interested in safety culture in laboratories; increased visibility of the Division within the ACS activities; and active participation in the ACS webinars program.

Outreach activities

CHAS has co-sponsored 2 ACS webinars this year. The first, in January, attracted about 700 viewers and the second will take place on August 15. The ACS webinar managers report that 700 people had registered for the August webinar after a single mailing. We believe that the webinar medium is a good one for outreach to both interested parties and potential members.

The DCHAS-L e-mail list and twitter streams continue be active and provide value to members, particularly "big hat" EHS professionals. Smaller hat chemistry professionals, particularly educators, find the e-mail list too active and esoteric for their needs. We are exploring opportunities to establish a separate e-mail list for this audience.

IPG Progress Report

Attached is a recent summary of the work being done on the Innovative Project Grant received by the Division in 2018. The workgroup named in the file have several times in 2019 and made significant progress in the conceptual basis of a RAMP based exercise for organic chemistry teaching labs. Based on this work, we are confident that the project has a strong technical basis and we are preparing to address specific implementation issues associated with this project.

Questions about the above items can be addressed to Ralph Stuart <membership@dchas.org>

American Chemical Society



eRAMP: Demonstration of concept for incorporating RAMP logic into organic chemistry teaching labs

Ralph Stuart, CCS and CHAS, Keene State College

Leah McEwen, CCS and Division of Chemical Information, Cornell University

Sammye Sigmann, CCS, CHAS and CHED, Appalachian State Univ

Dr. Kendra Denlinger, CCS, Xavier University

Ellen Sweet, SAP and CHAS, Cornell University

Goals of eRAMP Tool



- Demonstrate the application of RAMP paradigm to students' work in undergraduate organic teaching laboratories (eRAMP = educational RAMP)
- Apply the RAMP information logic to established organic chemistry lab exercises in a way that allows students to conduct the risk assessment for grades
- Support chemistry faculty in preparing undergraduate chemistry majors to take the ACS Exams Institute safety exam

American Chemical Society 2

IPG: Innovative EHS aspects of this proof-of-concept interactive RAMP e-tool



- Incorporate best practices for chemical safety data, green chemistry, and risk assessment methodologies;
- Practice evaluation and application of chemical safety data to decision making at the laboratory scale;
- Develop safety management reports for clear communication and use by students, instructors, lab managers and safety personnel.
- **Test** efficacy of **visual indicators** in existing chemical safety lesson plans and different classrooms;
- The Organic Chemistry teaching laboratory was selected as welldefined, widespread and entry point for chemistry majors into laboratory process design and evaluation.



Innovative Learning Outcomes



	Learning Objective (terminal)	Student Learning Outcome		
Learning Goal	Upon completion of this assignment students will be able to	Upon completion of this assignment you will know		
To develop the competencies necessary to perform a risk assessment and perform a basic risk assessment using a provided tool To develop an understanding of the RAMP methodology of risk assessment	explain how GHS informs the risk assessment process explain the risk assessment process define risk as a product of hazard and exposure produce a risk assessment for an organic experiment name the elements of the acronym RAMP as a tool for hazard analysis	what steps are necessary to complete a risk assessment complete a basic risk assessment using a guided tool what RAMP means in the context of a risk assessment		
To acquire knowledge of common chemical safety information sources	 read an SDS and obtain pertinent information explain safety data concepts such as LD50, LC50, carcinogenicity, teratogenicity, etc. judge the reliability of chemical safety sources, such as SDS's, search engines (Google), SOP's, ACS safety resources, and literature, using provided examples 	how to choose a reliable chemical safety information source		

CPT Cognate skills: Ethics, chemical information, safety, communication

American Chemical Society 4

RAMP Tool Brainstorm

- To support decision making in simple chemistry labs
- UG Org lab as an exemplar scenario
 - Address course competencies
 - Include graphics for visual learners
 - Practice thinking through the process critically in order to reach informed decisions and take prudent steps for practice



	Job Hazard Analysis							
Step	Work Steps and Tasks Describe the tasks / steps involved in the work – in order	Hazards Identified for each Task / Step	Risk Level (exposure x probability x consequence) Risk Nomogram used	Control / Safe Work Procedures for each Task / Step Controls to be implemented				
5	Remove stock bottle of concentrated nitric acid from storage	Chemical splash – Corrosive; eye & skin damage; inhalation (toxic gas); Chemical spill; Oxidizing liquid	Moderate >20, but < 50	Nitric acid is very reactive. Do not underestimate this hazard. Include and review SDS as a control in this JHA. Wear all PPE as above, HOWEVER nitrile does not protect well for concentrated acid – double glove, add polyethylene or butyl rubber Note location of and visually inspect spill kit w/ neutralizing material Review ER procedures If large spill occurs i.e. 2.5 L bottle, evacuate and notify				
6	Transfer ~50 mL of con nitric to 250 beaker	Same as step 5	Moderate >20, but < 50	Same as step 5				
7	Return stock bottle of concentrated nitric acid to storage	Same as step 5	Moderate >20, but < 50	Same as step 5				
8	Add 30 mL of concentrated nitric acid (16 M HNO3) Stir as needed	Chemical splash – corrosive; eye damage; inhalation (NO2, toxic gas) Chemical spill Oxidizing liquid	Low <10	Wear all PPE as above, HOWEVER nitrile does not protect well for concentrated acid – double glove, add polyethylene or butyl rubber WORK IN FUME HOOD – lower sash; set up at least 6° inside Stir slowly with magnet on stir plate to displace nitrogen dioxide (NO3) a toxic brown gas. Cover with watch glass if needed. Beaker graduations offer sufficient accuracy, so minimize cleaning by not measuring with other equipment.				

Chemical Information System Process



Chemistry Content

- Platform for structured assessment of a single chemical process
- 3 procedures: Cyclohexanone by oxidation of cyclohexanol, TLC of analgesics,
 Wittig reaction (solvent and mechano-chemistry)

RAMP Logic

- Procedure steps enable the identification of when risk is introduced
- Input of hazards with keyword "flags"

Data Sources

- Sustained, curated chemical safety sources that are pulled into database
- PubChem for GHS info and reactivity, SDS as needed

Interface Development

- Web-based linked to data sources
- Interactive graphics and what if modelling; possibly to include Green Chemistry scoring system

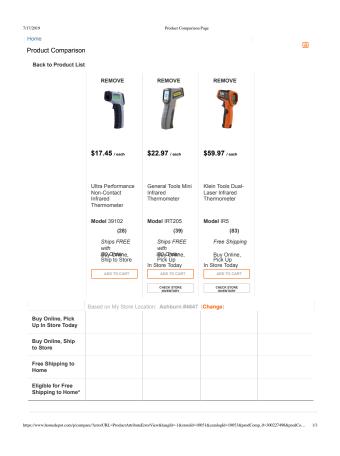
Currently, the RAMP Logic is combined with Chemical Procedures in an Excel Workbook



Α	В	С	D	E		F	G			
Activity:	Thin-Laye	r Chromatography of Ana	lgesic Co	mpounds						
	Students will prepare a chromatography chamber for thin-layer chromatography of analgesic compounds (acetaminophen, o									
Completed by:	Undergraduate Organic Chemistry Student									
Chemicals		Glassware and Equipmen	t 1	Personal Protective	Fauinment	-	Laboratory Safety Equipment			
aspirin (<u>50-78-2</u>)		pencil		goggles			eyewash/shower			
acetaminophen (103-90-2	2)	TLC plate		nitrile gloves			chemical fume hood			
caffeine (<u>58-08-2</u>)		spotters					spill kit and small broom/dustpan			
ethanol* (<u>64-17-5</u>)		UV lamp					first aid kit			
ethyl acetate (<u>141-78-6</u>)		beaker					fire extinguisher			
glacial acetic acid (<u>64-19</u>) <u>-7</u>)	tweezers								
			d							
		10 mL graduated cylinder								
Materials	RAMP	Hazards Checklist	Stony Bro	ook Matrix_Hazard	Stony Br	rook Matr	ix_Exposuri (+) : [4]			

Risk Scenario Comparison Screens





PECIFICATIONS DIMENSIONS	Recog	nize			
Product Depth (in.)	10.5	4.016 in	4.53		
Product Height (in.)	1.5	5.039 in	6.83	-	
Product Width (in.)	6.5	1.26 in	1.85	-	
DETAILS	Asses	S			
Battery Power Type	Lithium Ion	Alkaline	Alkaline	-	
Battery Size	AAA	AAA	9-volt	-	
Brand Name	Ultra Performance	General Tools	Klein Tools	-	
Control Type	Digital	Digital	Digital	-	
Display Type	Digital	Digital	LCD	-	Prepare for
Distance to Spot Ratio	12	8	12	-	Emergencies
Electrical Tools Features	Backlit	Backlit,Data Hold	Backlit,Data Hold	-	/ Protect the
Max Accurate Temp Measurement (F)	716	626	752	-	Enviroment
Measures/Detects	Temperature	Temperature	Temperature	-	
Min Accurate Temp Measurement (F)	-58	-58	-22	-	
Number of Batteries Required	2	2	1	-	
Product Weight (lb.)	0.4	0.152 lb	0.615	-	
Returnable	90-Day	90-Day	90-Day	-	
Test Meter Type	Infrared Thermometer	Infrared Thermometer	Infrared Thermometer	-	
Tools Product Type	Test Meter	Test Meter	Test Meter	-	





Writing a complete task statement Listing the equipment & chemicals required Breaking the task into an appropriate number of steps Determining the hazard(s) for each step Assigning risk for each step Putting the correct controls in place to reduce or eliminate the risk Research Paper Statement of purpose/Introduction Experimental/Methods & Materials Results & Discussion

Next Steps



- Identify web page designer to conceptualize page layouts to optimize learning usability
- Complete grading rubric
- Map information links required to support process
- Develop alternative scenarios:
 - Different class PPE policies
 - Fume hood to student ratios
 - Responsibility for preparation and clean up steps

Regional Meetings Committee Report

Mark Lassiter, Awards Committee Chair

Regional Meetings 2019 [& Postings in Mid-Year for 2020]	Region Board Contact	DCHAS Champion	Award \$500	Award Contact	Participation:
Central June 4-8, 2019-Midland, MI	Co-Chairs: Dimi Katsoulis Matthias Ober	Monique Wilhelm mwilhelm@UMFLINT.EDU >	2019	Monique Wilhelm	Marta's office and Monique symposia/progra ms
Great Lakes May 1-4,2019-Lisle,IL GLRM2019@gmail.com https://www.2019acsglrm.org	Co-Chairs: Dr. Jason Keleher keleheja@lewisu.edu Barbara Moriarty barbaramoriarty0@gmail.com Programming Co-Chairs: Dr. Daniel Kissel kisselda@lewisu.edu Dr. Kari Stone kstone@ben.edu				
Middle Atlantic May 30 – June 1, 2019 University of Maryland, Baltimore Co [UMBC] Baltimore, MD	General Chair: Paul Smith pjsmith@umbc.edu Program Co-Chairs: Bradley Arnold barnold@umbc.edu Takashi Tsukamoto ttsukamoto@jhmi.edu	Russ Phifer < <u>rphifer@wcenvironmental.com></u>			
Midwest October 16-18, 2019 Wichita, KS	General Co-Chairs: Paul Rillema (paul.rillema@wichita.edu) Arvin Cruz (ajcruz2@fhsu.edu) Program Co-Chairs: Arvin Cruz (ajcruz2@fhsu.edu) Paul Rillema (paul.rillema@wichita.edu)		2019	Submitted proposal. Approved by EC in May 2019	David Finster Susan McCoy
Northeast June 23-26, 2019 Saratoga Springs, NY	General Co-Chairs: Lisa Coutts - SI Group Inc. Craig Westphal - SABIC Program Co-Chairs		2019	Worked with Lisa Coutts on programming and submission of proposal.	Lisa Coutts Requested programming from Cannabus, but they declined.

	Jan Halamek - University at Albany SUNY Maksim Royzen Contact: acsnerm@gmail.com				NERM did not make a formal proposal.
Northwest June 16- 19, 2019. Portland, OR Portland State University	Program Co-Chairs: Arthur Glasfeld Warren Ford	Frankie Wood-Black <a< td=""><td></td><td></td><td></td></a<>			
Southeastern October 20-23, 2019 Savannah, GA https://www.sermacs2019.org/	General Chair: wlynch@georgiasouthern.ed u Symposia: bfeske@georgiasouthern.edu Undergraduate Programming: mweiland@georgiasouthern. edu Contact: SERMACS2019@gmail.com	Sammye Sigmann sigmannsb@appstate.edu	2019	Mary Beth Koza submitted a proposal and has been committee approved SERMAC-May 2019	Mary Beth Koza submited for symposium: "Teaching, Creating and Sustaining a Safety Culture"
Southwest / Rocky Mountain November 13-16, 2019 El Paso, TX	Not available	Brandon Chance bchance@MAIL.SMU.EDU Frankie Wood-Black swodblack90@gmail.com	2021	Currently working with Laura Stratton metalsdoctor@gmail.com , Marta G murczyk murczyk@gmail.com >	
Western	Not available				

Notes of Committee Activites and Actions:

August 2019:

Emails sent to each region - March 25, 2019

Committee is presenting Partnership with ACS Office of Safety Programs – March 2019 – Marta Gmurczyk

Updated the Regional Meeting Committee Operations to reflect the partnership with the ACS Office of Safety Programs – March 2019

Proposal Form is being used to submit proposals for CHAS \$500 Award

Two Awards have been submitted and approved. One proposal SERMACS is in the process of EC approval. One proposal did not make submission due to failure to establish Cannabus programming.

Marta Gmurczyk / ACS provided additional funding to CERMS and has offered to assist in SERMACS.

We are working with RMRM for programming at their 2021 RM.

Below are the programming supported by the Approved Proposals [SERMACS pending EC approval]:

CERMACS 2019 – Monique Wilhelm Funding Request for Central Regional Meeting (CERMACS), Midland, MI. June 4-8, 2019.

The programming team for the 2019 CERMACS meeting has been in communication with several CHAS members including ACS staff members Marta Gmurczyk (Safety Liaison) and Bettyann Howson (CCS) for over a year regarding safety programming for the meeting. Safety will be a major topic of the meeting by incorporating the following:

- Two symposia spanning two days. One symposium will be for industrial safety while the other will be for academic safety. The academia symposium will include talks from industry representatives on what safety they want taught in academia.
- Three safety workshops [The graduate student workshop and the undergraduate curriculum were assisted by Marta Gmurczyk's office]
 - The recently developed grad student research safety workshop
 - o Safety in the Undergraduate Curriculum, a RAMP workshop for college teachers
 - A workshop for K-12 and informal educators focusing on safe hands-on activities for the classroom that also has a green chemical replacement component. (This workshop follows a Green Chemistry workshop offered by Beyond Benign.)
- Increased reach of the safety programming for educators in the region who may not be able to attend through long distance learning broadcasts of select workshops with facilitators at the viewing locations.

The biggest expense of this safety agenda will be the technology connection time to the satellite locations and will be covered by DOW Chemical. Marta Gmurczyk has obtained funding to provide travel support for the graduate symposium speakers. However, there are many additional costs that still need to be covered including luncheon and break expenses for the educational programming, supplies and shipping to run five satellite locations. Therefore, we wish to request CHAS Regional Programming Fund support for these purposes.

MWRM 2019 – Paul Rillema Safety Workshop for the 2019 MWRM

Morning session

Dr. David Finster's workshop will explore 1) the desirable context of undergraduate safety instruction, 2) methods and resources for program implementation, and 3) various rationales to convince faculty to develop good safety instruction. Thus, participants will consider what to teach, how to teach it, and why to teach it. The goal is not to create a "one size fits all" instructional program, but to develop institution- and department-based programs from the array of options. Since the development of good safety programs is often evolutionary in nature, long-term goals will be considered with the creation of phasing in programs over time.

Afternoon session

Susan McCoy will discuss the process, planning and implementation of a basic safety program. It will also introduce pitfalls, obstacles and the creativity that were encountered in the process. The attendees will come away from this presentation with the knowledge to create and implement a site-specific safety program for their institution. Susan will share information used in a current safety program presented to both college and high school students. This program will also address forces that work against safety and how to get administrators to support a culture of safety. Additional presenters will be invited to share their knowledge and expertise in chemical safety. This will be followed by a panel discussion to include presenters, local EHS professional, high school and collegiate educators.

SERMACS 2019 – Mary Beth Koza Safety Symposium

At this year's SERMACS 2019, the 71th Southeast regional meeting of the ACS, the Division of Chemical Health and Safety October 20-23, 2019 has been asked to lead a symposium entitled "Teaching, Creating and Sustaining a Safety Culture. As the symposium lead, I am asking for the grant of \$500.00 to support registration fees of the speakers for the symposium. SERMAC will provide matching funding of \$500.00. We have 7 speakers signed up.

1 Safety in the Chemistry Enterprise

- 2 Chemistry promotes valuable social and economic benefits, including innovative materials,
- 3 medical discoveries, improved public health, and enhanced quality of life. The chemistry
- 4 enterprise creates high-skill, high-wage jobs. The practice of chemistry from concept through
- 5 research, development, manufacture, use, and disposal must be done safely to minimize
- 6 adverse impacts on human health and the environment.
- 7 Working with chemicals and developing new materials and chemical processes involve some
- 8 degree of risk. A thoughtful and educated approach to chemical safety must include a
- 9 risk/benefit analysis. Minimizing risk while optimizing benefits should continue throughout
- investigation, development, marketing, use, and recycling or disposal of products and
- 11 byproducts.

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- 12 The American Chemical Society (ACS) believes it is essential that the chemistry enterprise
- recognize its obligation to protect the safety and health of individuals and the environment. A
- 14 positive culture and effective chemical security are integral to safety. Policymakers should
- encourage the chemistry enterprise to cultivate a culture of safety among all stakeholders, and
- take precautions to prevent theft and diversion.
- 17 Stakeholders must consider safety and ethics when planning or evaluating science funding,
- education, scientific research, technology development, chemical manufacturing, and
- 19 recognition of scientific achievement.
- 20 Core objectives to consider include:
 - Evidence-based safety policies developed using risk assessment and best available health and environmental information.
 - Robust risk assessment practices; preventive, sustainable and protective measures; and other evidence-based methods to protect human health and the environment.
 - Ongoing collection and dissemination of safety information that is standardized, harmonized, accessible, and understandable to all users.
 - Development and application of the RAMP (Recognizing hazards, Assessing risks, Minimizing risks and Preparing for emergencies) model as an organizing principle for risk assessment and management.
 - Appropriate chemical safety education for scientists, the public and other stakeholders.

Evidence-Based Policies

- The ACS advocates for chemical public policy and safety regulations based on robust science and risk assessment.
 - Regulations should encourage safe practices, be practical, and be written so that compliance is easy.
 - Authors of policies, laws, regulations, and guidance documents should regularly review current, peer-reviewed scientific and engineering information to identify and assess risks to people, property and/or the environment.
 - Subject matter experts should be consulted to:
 - o craft sensible, logical, and effective regulations and public policy, and
 - o avoid unintended consequences of regulations.
 - Policymakers should develop and implement processes to resolve inconsistencies among various federal, state, and local regulatory procedures that cause compliance conflicts.

45 Chemical Safety Research

- The ACS encourages programs that support research to identify and characterize chemical and
- 47 process hazards, and create better protective measures for workers, consumers, and the
- 48 environment.

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49 Chemical Safety Information

- 50 The ACS recommends that agency-issued chemical safety information be:
 - Globally standardized across regulating agencies.
 - Comprehensive, clear, and concise.
- Anchored in peer-reviewed scientific literature with transparent provenance.
 - Accessible.
 - Inclusive of best practices for purchase, storage, handling, use, and disposal of materials.

Risk-Based Safety

- The ACS supports policies that appropriately integrate risk-based safety across the chemistry
- 59 enterprise by promoting hazard recognition, risk assessment, risk management, and emergency
- 60 preparedness (RAMP).
- 61 ACS supports continued funding of the U.S. Chemical Safety and Hazard Investigation Board
- and other international, national, state, and local investigative entities so that incidents and near
- misses can be investigated, lessons can be learned, case studies can be publicized, and
- actions can be taken to prevent recurrence.

Chemical Safety Education

- 66 The ACS encourages programs to:
 - Educate and train scientists, engineers, workers, and K-16 teachers to use risk-based safety management practices.
 - Disseminate best safety practices for purchase, storage, handling, use, and disposal of materials.
 - Alert end users about foreseeable consequences of chemical product misuse or failure to follow product use and disposal recommendations.

Safety and Sustainability

- Safe and sustainable chemistry advances research, fosters innovation, and contributes to a globally competitive US chemical industry. ACS advocates for:
 - Adherence to the tenets of Green Chemistry.
 - Safe, responsible, and ethical sourcing of chemicals and other raw materials used in production.
 - Developing rigorous, adaptable, and expedited protocols for evaluating inherently safer chemical products and processes in consultation with industry, academia, scientific organizations, public interest groups, and other stakeholders.
 - Continued support for research and development by universities, industry, government laboratories, and other stakeholders to create safer products, materials and processes.
 - Policies, regulations, and incentives that encourage adoption of safer products, materials and processes.