

**Division of Chemical Health & Safety**  
**Executive Committee ACS Spring 2021 Meeting**

Monday, August 22, 2022 12:00-2:00 PM CDT

Hyde Park B / CC11B meeting room of the Hyatt Regency

Zoom Virtual Link <https://yale.zoom.us/j/91036962399>

1. **Welcome from Chair** (Incarvito) ([attachment 1](#)) 12:00
2. **Officer Reports** 12:05
  - a. Secretary (Wilhelm) ([attachments 2 & 3](#))
  - b. Treasurer (Koza) ([attachment 4](#))
  - c. Chair-Elect (Kuespert)
  - d. Immediate Past Chair (Elston)
  - e. Councilors (Wood-Black, Decker) 12:45
    - i. Talking points:  
<https://www.acs.org/content/dam/acsorg/about/governance/councilors/councilor-talking-points-spring-2022.pdf>
  - f. Member-At-Large Report (Denlinger, Nephew) 12:50
3. **Cannabis Subdivision Report** (Bramante)
4. **Guest: Mary Carroll** 1:00
5. **Old Business**
  - a. Strategic planning update
6. **New Business**
  - a. Allocation of funding for website overhaul (Incarvito, Koza)
  - b. Discussion of a Communications/Outreach Committee (Incarvito, Kuespert))
  - c. Safety in Journals (Langerman, presenting virtually)
  - d. Discussion of a Mentorship Committee (Miller)
7. **Reports of the Standing Committees** 1:20
  - a. Awards (Chance) ([attachment 5](#))
  - b. Long Range Planning (Sigmann) ([attachment 6](#))
  - c. Programming (Decker/Pickel) ([attachments 7 & 11](#))
  - d. Membership (Stuart) ([attachment 8](#))
  - e. Social (Pfifer)
  - f. Education (Pfifer)
    - i. Peer-Led Workshops (Martin) ([attachment 9](#))
8. **Guest: Rigoberto Hernandez** 1:30
9. **Reports of Other Committees**
  - a. Regional Meetings (Lassiter)

**10. Liaison Reports**

1:50

- a. NRCC (Phifer) ([attachment 10](#))

**11. Reminders and Adjournment**

## **Chair Report**

### **Fall 2022 National Meeting**

Welcome to Chicago in August! I have a particular fondness for this city not only for its culture, but this is also the site of my very first ACS National Meeting back in August of 2001. Back then I was still a graduate student very much in the thick of presenting rather rudimentary work, but my excitement to network and learn was boundless. Although my professional interests have evolved since then I am extremely grateful for the opportunities that CHAS has afforded for me and many others who are committed to the field and found a home within ACS.

Our membership defines us. We have grown more diverse along many dimensions in recent years and our programming and activities reflect that. For the latter half of 2022 we'll look to build upon the momentum created by activities such as our peer-led workshops and through coordination with key partners like CCS. We can always measure our success by the quality of our work, but we must also measure success by our reach and influence. A broader, more diverse CHAS will continue our momentum.

The Division is proud to have assembled a meeting program for Chicago that aligns with this theme. Symposia on leadership and diversity are complemented by ones exploring safety across multiple disciplines. I ask everyone to think about the people who make CHAS a success and people who can make a difference when we welcome them to our division. Special thanks to Debbie and Joe for their tireless work on the program and thank you to those who contributed to the program by submitting abstracts and organizing sessions.

Lastly, a special thanks to Chair-Elect Daniel Kuespert for his sound guidance and unselfish commitment these past few months. He will certainly sustain our momentum into 2023.

Enjoy the conference!

Chris Incarvito

# DCHAS Executive Committee Conference Call Minutes

## Upcoming Calls

Every third Thursday  
at 9am Pacific/noon Eastern  
Next call: July 21, 2022

## Meeting Details

- Date and Time: June 16, 2022 at 12:03pm ET, adjourned at 1:08
- Connection Details: Call In Number – (203) 432-9666 Meeting ID: 9854 009 3391
  - Online Alternative– <https://yale.zoom.us/j/98540093391>
- Attendees: Julia Bramante, Debbie Decker, Kendra Denlinger, Chris Incarvito, Mary Beth Koza, Dan Kuespert, Neal Langerman, Sammye Sigmann, Ralph Stuart, Monique Wilhelm, Frankie Wood-Black

## Discussion

- **Welcome/Roll Call**
- **Approval of April minutes (Monique) -approved**
- **Change to election timeline (Monique)**
  - Changes at ACS made it difficult to obtain election only membership list to run the election. The ballots should go out tomorrow.
- **Treasurer's report (Mary Beth)**
  - CHAS includes CANN - this is a year to date actuals.
    - Total income \$30,896.73
    - Total Expenses \$ 23,391.35
    - Net Income \$ 7,505.38
    - Income includes ACS dues and annual allocation. 20,056.23
    - Workshops profits \$5456.13
  - CANN Year to Date
    - Total income 0
    - Total Expenses \$ 6,236.31
    - Net Income \$ - 6,236.31
  - Enough funds to support SERMAC and upcoming national meetings
- **Membership committee succession planning (Ralph)**
  - We may need to prioritize the tasks Ralph has done as part of the current Strategic Plan
  - Duties
    - Moderate listserv
    - Track hazmat news and headline summaries
    - Update website

- Respond to website inquiries
- Monthly membership newsletter
  - There is currently a 3 person subcommittee
    - Melinda Box, Shannon Nephew, Monica Nyansa
  - There is interest in seeing CANN content
- ACS webinar link
  - Frankie and Debbie would be willing to take over this task
- Organize CHAS chats
  - Frankie and Debbie would be willing to take over this task
- Support peer-led workshops
  - Can it go to workshops subcommittee
  - Peer-led workshop subcommittee will be meeting tomorrow
- Support journal club
- IPG management
  - Should whoever puts in the IPG manage it? Is it really a Membership committee responsibility?
- CHAS Twitter feed
- More active volunteers are needed to assist with activities within the Division so burden does not fall on one person
- Where do Members-At-Large fit in?
- There is an ACS webinar at end of month about membership changes
  - <https://american-chemical-society.zoom.us/meeting/register/tZEqcu-ggDMqGtdIxDMTfbnOMaKy1hXYbewo>
- Several of these items would be fit for the Publicity Committee
- **Publicity Committee**
  - Should we re-establish to take over some of these tasks?
  - AI 116
  - Old newsletter used to be here
  - Update to issuance to define tasks in a general way
- **Programming Committee (Debbie)**
  - Looking to widen volunteer pool
  - If we offer a collaborative symposium, we need to know where the symposium will reside, with CHAS or the other Division
    - it is to our advantage to keep it in CHAS
  - Fall meeting is set
    - Programming Sunday pm to Thursday am
    - No programming Noon-2 each day
    - Division sponsored registrations are available

- Symposium organizers need to work with Mary Beth soon
  - CCS is Sunday am up against our programming
  - When will we have open governance meeting and lunch?? Monday 12-2 proposed
  - Harry will prepare CHAS at a Glance
- Spring 2023
  - New symposia to honor CHAS and ACS fellows
  - Collab symposium between CHAL & CHAS that will reside in CHAL, and one in Committee on Technician Affairs
    - CHAS members are encouraged to help populate
- Need to think about Fall 2023 in San Francisco
- **Social – Chair and Fall/Chicago event**
  - Russ is taking the lead on this
- **Other Business**
  - Mixed reviews about having separate EC and committee meetings
    - Please send suggestions to Chris for how to address feelings of disconnect for some members

Attendance Confirmed

Respectfully submitted,  
Monique Wilhelm

## **Secretary Report Fall 2022 National Meeting**

### **1. CHAS 2022 Election Results for 2023 Board Positions**

274 responses (up from 194 last year)

- a. Chair-Elect: Robin Izzo
- b. Councilor: Kali Miller
- c. Alternate Councilor: Debbie Decker

### **2. CHAS Annual Report to ACS**

- a. Generally due in Community Connection site by Feb 15<sup>th</sup>
- b. Need info for the year's events and activities
  - i. Event name, brief description, start/end dates, frequency, up to 2 categories of event (Awards, Career & Programing Development, Government Affairs, Leadership Development, Meetings, Public Outreach, Science Education, Social Events, Strategic & Business Planning), up to 2 ACS strategic goals supported (Provide Information Solutions, Empower Members and Member Communities, Support Excellence in Education, Communicate Chemistry's Value, Embrace and Advance Inclusion in Chemistry), 1-5 supporting committees, ACS event partners, non-ACS event partners, number of volunteers (broken down by members and non-members), number of volunteer hours, number of attendees (broken down into members and public), estimated total cost, any outside funding sources, event coverage (email, radio, TV, web, other), event promotion (ACS network, C&EN, email, newsletters, social networks, website, other), what were the greatest successes of event, lessons learned to improve event, supporting weblinks or documentation

# TREASURER'S REPORT

August 9, 2022

Mary Beth Koza

Data as of August 9, 2022

# Treasurer's comments

- Reimbursement requests due:
  - **Sept. 15, 2022**
  - Send reimbursement requests to
    - Mary Beth Koza ([mbkoza2@gmail.com](mailto:mbkoza2@gmail.com))
    - Note address changes in transmittal email & on form
  - All receipts in single PDF; XL file as Excel
  - Name files: Yourlastname\_VR 2022
  - [CHAS EXPENSE REPORT 2022.xlsx \(live.com\)](#)
- Financial condition of CHAS: Good

# BALANCE SHEET SUMMARY

	As of ...	31 December 2020	31 December 2021	August 9, 2022
ASSETS				
Current Assets				
	Checking/Savings	\$168,115	\$212,445	\$219,797.20
Investments				
	TIAA-CREF inception value as of 1/6/2015			
	\$89,514	\$133,499	\$147,408	126,488.34
	Reserve Goal: 1.5 x Operating Budget	\$189,750		
TOTAL ASSETS				
LIABILITIES & EQUITY				
Liabilities		\$0	\$0	0
Equity		\$301,814	\$359,853	\$342,096.97
TOTAL LIABILITIES & EQUITY		\$301,814	\$359,853	\$342,096.97

# Annual Budget Process

- January - Prepare ACS Annual report & Schedule Audit Committee review
- February - Submit ACS Annual report
- March – May Prepare and submit Federal Taxes
- April –June Solicit budget requests for following year & latter half of current year
- June 30<sup>th</sup> Budget request deadline
- July -Prepare next year's budget
- August – Present and vote approval of next year's budget at Fall ACS Mtg
- December – year end forecasting

# BUDGET SUMMARY

## Calendar Year, 2022

	Budget	Actual year to date
Income	\$80,090	\$41,352
Expenses	\$79,00	\$34,235
Operating Gain/Loss	\$890.00	\$7,117
Loss on investment		\$-20,060.72

# Budget Proposal

Item Category	2022 YTD	2023 Budget
<b>Income</b>		
Donations	7,120	11,000
ACS Councilor Rebate	2,626	5,300
Workshops	11,550	20,000
ACS Dues & Assessments	20,056	40,000
Total Income	41,352	76,300
<b>Expenses</b>		
Awards	7,200	10,000
Innovative Funding	4,426	10,500
National Meeting Expenses	9,475	18,000
Socials	2,500	5,000
Administrative	2,924	7,000
Workshops	4,110	10,000
Regional meetings	0	2,000
ACS Leadership Mtg	3,600	4,000
Total Expenses	34,235	66,500

# FINANCIAL DETAILS

- Documentation attached
  - Profit & Loss Statement YTD Comparison
  - 2022 Profit & Loss Statement
  - 2022 Balance Sheet
  - CANN P&L all years
  - CANN 2022 P&L

# Division of Chemical Health & Safety

## Profit and Loss

January 1 - August 9, 2022

	TOTAL	
	JAN 1 - AUG 9, 2022	JAN 1 - AUG 9, 2021 (PY)
Income		
A1 CONTRIBUTIONS		
A1C NON-MEETING GRANTS		
A1C1 ACS Grant to Grad Students		5,000.00
<b>Total A1C NON-MEETING GRANTS</b>		<b>5,000.00</b>
A1F DONATIONS		
A1F2 DONATION CANN SUBDIVISION		200.00
A1F2A Heidolph North America	5,000.00	5,000.00
<b>Total A1F2 DONATION CANN SUBDIVISION</b>	<b>5,000.00</b>	<b>5,200.00</b>
A1F3 AMAZON Smile	122.51	92.50
<b>Total A1F DONATIONS</b>	<b>5,122.51</b>	<b>5,292.50</b>
A1G OTHER CONTRIBUTIONS		1,078.00
A1I REBATE FROM ACS		
A1I1 Councilor Expenses	2,626.00	
<b>Total A1I REBATE FROM ACS</b>	<b>2,626.00</b>	
A1L Safety Information Expense	2,001.50	
<b>Total A1 CONTRIBUTIONS</b>	<b>9,750.01</b>	<b>11,370.50</b>
A4 CONF/WORKSHOPS/MEETINGS		
A4A WORKSHOPS		
A4A1 CHO WORKSHOP	2,843.28	3,300.00
A4A10 GRAD STUDENT SAFETY WRKSH	2,048.90	2,752.60
A4A11 Blame Free Investigation	1,382.46	
A4A12 Safety Leadership	3,084.51	
A4A14 Grad Student RAMP workshop	500.00	
A4A15 Building a Safety Culture in your Lab	569.40	
A4A2 LAB SAFETY WORKSHOP	280.41	
A4A3 HAZWASTE WORKSHOP	841.23	2,400.00
<b>Total A4A WORKSHOPS</b>	<b>11,550.19</b>	<b>8,452.60</b>
A4A13 Writing Safety Statements		1,800.00
<b>Total A4 CONF/WORKSHOPS/MEETINGS</b>	<b>11,550.19</b>	<b>10,252.60</b>
A5 DUES & ASSESSMENTS		
A5B ACS DUES - JULY - DEC	6,221.50	8,233.50
A5C PAID DIRECT TO DivCHAS		75.00
A5D ANNUAL ALLOCATION FROM ACS	13,834.73	26,178.13
<b>Total A5 DUES &amp; ASSESSMENTS</b>	<b>20,056.23</b>	<b>34,486.63</b>

# Division of Chemical Health & Safety

## Profit and Loss

January 1 - August 9, 2022

	TOTAL	
	JAN 1 - AUG 9, 2022	JAN 1 - AUG 9, 2021 (PY)
C3 UNREALIZED GAIN/LOSS MUTUAL	-20,060.72	10,293.57
<b>Total Income</b>	<b>\$21,295.71</b>	<b>\$66,403.30</b>
GROSS PROFIT	<b>\$21,295.71</b>	<b>\$66,403.30</b>
Expenses		
B1 CONTRIBUTIONS EXP.		
B1A MEETING GRANTS/AWARDS		
B1A1 Collegeiate Lab Safety Award		1,000.00
B1A2 CHAS Award -FAWCETT		500.00
B1A5 AWARDS COMMITTEE EXPENSES	612.62	107.52
B1A6 Regional Meetings		1,000.00
B1A8 Grad Student Safety Leadership Award	1,500.00	3,994.69
<b>Total B1A MEETING GRANTS/AWARDS</b>	<b>2,112.62</b>	<b>6,602.21</b>
B1B INNOVATIVE FUNDING EXPENSE		
B1B11 RAMP_ORGANIC_2018		5,959.14
B1BCSL CSL Out Reach	3,358.37	
B1BSP STRATEGIC PLANNING	1,068.00	
<b>Total B1B INNOVATIVE FUNDING EXPENSE</b>	<b>4,426.37</b>	<b>5,959.14</b>
<b>Total B1 CONTRIBUTIONS EXP.</b>	<b>6,538.99</b>	<b>12,561.35</b>
B2 NATIONAL MEETING EXPENSES		
B2A3 Other Miscellaneous Service Cost		99.00
B2E PLANNING EXPENSES		
B2E1 EXEC. COMM. MEETING	3,619.02	
B2E1b REFRESHMENTS	73.88	
<b>Total B2E1 EXEC. COMM. MEETING</b>	<b>3,692.90</b>	
<b>Total B2E PLANNING EXPENSES</b>	<b>3,692.90</b>	
B2F Councilor Travel Expense	3,282.16	
B2I SOCIAL EVENT NAT MTG	2,500.00	
<b>Total B2 NATIONAL MEETING EXPENSES</b>	<b>9,475.06</b>	<b>99.00</b>
B5 PUBLICATION EXPENSES		
B5E POSTAGE & SHIPPING		19.05
B5F3 CHAS @ a Glance	53.74	
<b>Total B5 PUBLICATION EXPENSES</b>	<b>53.74</b>	<b>19.05</b>

# Division of Chemical Health & Safety

## Profit and Loss

January 1 - August 9, 2022

	TOTAL	
	JAN 1 - AUG 9, 2022	JAN 1 - AUG 9, 2021 (PY)
B6 CONF/WORKSHOPS/MEETINGS EXP		
B6B OTHER		
B6B10 Blame Free Incident Investigation		
B6B10d Blame Free Profit Sharing	750.00	
<b>Total B6B10 Blame Free Incident Investigation</b>	<b>750.00</b>	
B6B2 CHO WORKSHOP		
B6B2c CHO MANUALS, etc.		360.00
B6B2d CHO Profit Sharing	1,500.00	1,557.54
<b>Total B6B2 CHO WORKSHOP</b>	<b>1,500.00</b>	<b>1,917.54</b>
B6B3 HAZARDOUS WASTE WORKSHOP EXP		
B6B3d LAB WASTE Profit Sharing	600.00	1,116.72
<b>Total B6B3 HAZARDOUS WASTE WORKSHOP EXP</b>	<b>600.00</b>	<b>1,116.72</b>
B6B6 GRADUATE STUDENT SAFETY WORKSHOP	509.27	334.54
B6B6a GRAD STUDENT INSTRUCTOR FEE	550.00	1,065.86
B6B6b GRAD STUDENT INSTR EXP	200.00	175.00
<b>Total B6B6 GRADUATE STUDENT SAFETY WORKSHOP</b>	<b>1,259.27</b>	<b>1,575.40</b>
<b>Total B6B OTHER</b>	<b>4,109.27</b>	<b>4,609.66</b>
B6B11 Safety Leadership Workshop	1,261.86	
B6B13 Safety Writing statement		860.07
B6B14 Grad Student RAMP instructor fee	400.00	
B6F Refund for workshops		525.00
<b>Total B6 CONF/WORKSHOPS/MEETINGS EXP</b>	<b>5,771.13</b>	<b>5,994.73</b>
B7 ADMINISTRATIVE		
B7D NATIONAL MTG TRAVEL/MEAL EXP		
B7D2 NATIONAL MEETING MEAL EXP	774.64	
<b>Total B7D NATIONAL MTG TRAVEL/MEAL EXP</b>	<b>774.64</b>	
B7E COMMUNICATIONS EXP	79.00	
B7F DLC/P2C2 CONF EXP		
B7F1 DLC ATTENDEE EXP	3,620.20	
<b>Total B7F DLC/P2C2 CONF EXP</b>	<b>3,620.20</b>	
B7G SUPPLIES & OPERATIONS (9G)	205.14	294.01
<b>Total B7 ADMINISTRATIVE</b>	<b>4,678.98</b>	<b>294.01</b>
B8 OTHER EXP (9G)	58.00	
B8A CREDIT CARD PROCESSING	27.70	243.50
B8B ACCOUNTING EXPENSES	994.69	1,031.91
<b>Total B8 OTHER EXP (9G)</b>	<b>1,080.39</b>	<b>1,275.41</b>

# Division of Chemical Health & Safety

Profit and Loss  
January 1 - August 9, 2022

	TOTAL	
	JAN 1 - AUG 9, 2022	JAN 1 - AUG 9, 2021 (PY)
B9 CANNABIS SUBDIV EXP		
B9A1 Advertising/Promotional	45.00	22.10
B9A1b Spring 2021 meeting		824.00
<b>Total B9A1 Advertising/Promotional</b>	<b>45.00</b>	<b>846.10</b>
B9A2 Heidolph North America scholarship	4,599.00	4,500.00
B9A5 CANN ADMIN & POSTAGE		401.16
B9A51 Zoom Account	384.82	448.14
B9A52 Web - G Suite	1,608.40	1,531.62
<b>Total B9A5 CANN ADMIN &amp; POSTAGE</b>	<b>1,993.22</b>	<b>2,380.92</b>
<b>Total B9 CANNABIS SUBDIV EXP</b>	<b>6,637.22</b>	<b>7,727.02</b>
<b>Total Expenses</b>	<b>\$34,235.51</b>	<b>\$27,970.57</b>
NET OPERATING INCOME	<b>\$ -12,939.80</b>	<b>\$38,432.73</b>
NET INCOME	<b>\$ -12,939.80</b>	<b>\$38,432.73</b>

# Division of Chemical Health & Safety

## Profit and Loss

January 1 - August 9, 2022

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F2 DONATION CANN SUBDIVISION	
A1F2A Heidolph North America	5,000.00
<b>Total A1F2 DONATION CANN SUBDIVISION</b>	<b>5,000.00</b>
A1F3 AMAZON Smile	122.51
<b>Total A1F DONATIONS</b>	<b>5,122.51</b>
A1I REBATE FROM ACS	
A1I1 Councilor Expenses	2,626.00
<b>Total A1I REBATE FROM ACS</b>	<b>2,626.00</b>
A1L Safety Information Expense	2,001.50
<b>Total A1 CONTRIBUTIONS</b>	<b>9,750.01</b>
A4 CONF/WORKSHOPS/MEETINGS	
A4A WORKSHOPS	
A4A1 CHO WORKSHOP	2,843.28
A4A10 GRAD STUDENT SAFETY WRKSHIP	2,048.90
A4A11 Blame Free Investigation	1,382.46
A4A12 Safety Leadership	3,084.51
A4A14 Grad Student RAMP workshop	500.00
A4A15 Building a Safety Culture in your Lab	569.40
A4A2 LAB SAFETY WORKSHOP	280.41
A4A3 HAZWASTE WORKSHOP	841.23
<b>Total A4A WORKSHOPS</b>	<b>11,550.19</b>
<b>Total A4 CONF/WORKSHOPS/MEETINGS</b>	<b>11,550.19</b>
A5 DUES & ASSESSMENTS	
A5B ACS DUES - JULY - DEC	6,221.50
A5D ANNUAL ALLOCATION FROM ACS	13,834.73
<b>Total A5 DUES &amp; ASSESSMENTS</b>	<b>20,056.23</b>
C3 UNREALIZED GAIN/LOSS MUTUAL	-20,060.72
<b>Total Income</b>	<b>\$21,295.71</b>
GROSS PROFIT	<b>\$21,295.71</b>
Expenses	
B1 CONTRIBUTIONS EXP.	
B1A MEETING GRANTS/AWARDS	
B1A5 AWARDS COMMITTEE EXPENSES	612.62
B1A8 Grad Student Safety Leadership Award	1,500.00
<b>Total B1A MEETING GRANTS/AWARDS</b>	<b>2,112.62</b>

# Division of Chemical Health & Safety

## Profit and Loss

January 1 - August 9, 2022

	TOTAL
B1B INNOVATIVE FUNDING EXPENSE	
B1BCSL CSL Out Reach	3,358.37
B1BSP STRATEGIC PLANNING	1,068.00
<b>Total B1B INNOVATIVE FUNDING EXPENSE</b>	<b>4,426.37</b>
<b>Total B1 CONTRIBUTIONS EXP.</b>	<b>6,538.99</b>
B2 NATIONAL MEETING EXPENSES	
B2E PLANNING EXPENSES	
B2E1 EXEC. COMM. MEETING	3,619.02
B2E1b REFRESHMENTS	73.88
<b>Total B2E1 EXEC. COMM. MEETING</b>	<b>3,692.90</b>
<b>Total B2E PLANNING EXPENSES</b>	<b>3,692.90</b>
B2F Councilor Travel Expense	3,282.16
B2I SOCIAL EVENT NAT MTG	2,500.00
<b>Total B2 NATIONAL MEETING EXPENSES</b>	<b>9,475.06</b>
B5 PUBLICATION EXPENSES	
B5F3 CHAS @ a Glance	53.74
<b>Total B5 PUBLICATION EXPENSES</b>	<b>53.74</b>
B6 CONF/WORKSHOPS/MEETINGS EXP	
B6B OTHER	
B6B10 Blame Free Incident Investigation	
B6B10d Blame Free Profit Sharing	750.00
<b>Total B6B10 Blame Free Incident Investigation</b>	<b>750.00</b>
B6B2 CHO WORKSHOP	
B6B2d CHO Profit Sharing	1,500.00
<b>Total B6B2 CHO WORKSHOP</b>	<b>1,500.00</b>
B6B3 HAZARDOUS WASTE WORKSHOP EXP	
B6B3d LAB WASTE Profit Sharing	600.00
<b>Total B6B3 HAZARDOUS WASTE WORKSHOP EXP</b>	<b>600.00</b>
B6B6 GRADUATE STUDENT SAFETY WORKSHOP	509.27
B6B6a GRAD STUDENT INSTRUCTOR FEE	550.00
B6B6b GRAD STUDENT INSTR EXP	200.00
<b>Total B6B6 GRADUATE STUDENT SAFETY WORKSHOP</b>	<b>1,259.27</b>
<b>Total B6B OTHER</b>	<b>4,109.27</b>
B6B11 Safety Leadership Workshop	1,261.86
B6B14 Grad Student RAMP instructor fee	400.00
<b>Total B6 CONF/WORKSHOPS/MEETINGS EXP</b>	<b>5,771.13</b>

# Division of Chemical Health & Safety

Profit and Loss  
January 1 - August 9, 2022

	TOTAL
B7 ADMINISTRATIVE	
B7D NATIONAL MTG TRAVEL/MEAL EXP	
B7D2 NATIONAL MEETING MEAL EXP	774.64
<b>Total B7D NATIONAL MTG TRAVEL/MEAL EXP</b>	<b>774.64</b>
B7E COMMUNICATIONS EXP	79.00
B7F DLC/P2C2 CONF EXP	
B7F1 DLC ATTENDEE EXP	3,620.20
<b>Total B7F DLC/P2C2 CONF EXP</b>	<b>3,620.20</b>
B7G SUPPLIES & OPERATIONS (9G)	205.14
<b>Total B7 ADMINISTRATIVE</b>	<b>4,678.98</b>
B8 OTHER EXP (9G)	58.00
B8A CREDIT CARD PROCESSING	27.70
B8B ACCOUNTING EXPENSES	994.69
<b>Total B8 OTHER EXP (9G)</b>	<b>1,080.39</b>
B9 CANNABIS SUBDIV EXP	
B9A1 Advertising/Promotional	45.00
B9A2 Heidolph North America scholarship	4,599.00
B9A5 CANN ADMIN & POSTAGE	
B9A51 Zoom Account	384.82
B9A52 Web - G Suite	1,608.40
<b>Total B9A5 CANN ADMIN &amp; POSTAGE</b>	<b>1,993.22</b>
<b>Total B9 CANNABIS SUBDIV EXP</b>	<b>6,637.22</b>
<b>Total Expenses</b>	<b>\$34,235.51</b>
NET OPERATING INCOME	\$ -12,939.80
NET INCOME	\$ -12,939.80

# Division of Chemical Health & Safety

## Balance Sheet

As of August 9, 2022

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
Bank Fee	287.32
CH1A CHECKING	219,797.20
<b>Total Bank Accounts</b>	<b>\$220,084.52</b>
Other Current Assets	
1499 Undeposited Funds	750.00
<b>Total Other Current Assets</b>	<b>\$750.00</b>
<b>Total Current Assets</b>	<b>\$220,834.52</b>
Other Assets	
C INVESTMENTS & OTHER ASSETS	-5,225.89
C1 INVESTMENTS/ASSETS - UNRESTR.	
C1D2 AMERIPRISE MUTUAL	-8,199.14
C1D2-1 FMV Adjustment, Ameriprise	8,226.70
C1D2-2 Ameriprise Settlement Fund	-27.56
<b>Total C1D2 AMERIPRISE MUTUAL</b>	<b>0.00</b>
<b>Total C1 INVESTMENTS/ASSETS - UNRESTR.</b>	<b>0.00</b>
C4 TIAA-CREF	126,488.34
<b>Total C INVESTMENTS &amp; OTHER ASSETS</b>	<b>121,262.45</b>
<b>Total Other Assets</b>	<b>\$121,262.45</b>
<b>TOTAL ASSETS</b>	<b>\$342,096.97</b>
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Credit Cards	
CHAS DEBIT CARD	0.00
<b>Total Credit Cards</b>	<b>\$0.00</b>
<b>Total Current Liabilities</b>	<b>\$0.00</b>
<b>Total Liabilities</b>	<b>\$0.00</b>
Equity	
1110 Retained Earnings	355,036.77
Net Income	-12,939.80
<b>Total Equity</b>	<b>\$342,096.97</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$342,096.97</b>

# Division of Chemical Health & Safety

## CANN P&L

All Dates

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F2 DONATION CANN SUBDIVISION	50,606.92
A1F2A Heidolph North America	59,000.00
A1F2B Perkin-Elmer CANN Donation	10,195.20
A1F2C Carbon Chemistry LLD	14,500.00
A1F2D Jerry King	9,500.00
A1F2E Donation - GenZ Therapeutics	1,500.00
<b>Total A1F2 DONATION CANN SUBDIVISION</b>	<b>145,302.12</b>
<b>Total A1F DONATIONS</b>	<b>145,302.12</b>
<b>Total A1 CONTRIBUTIONS</b>	<b>145,302.12</b>
<b>Total Income</b>	<b>\$145,302.12</b>
<b>GROSS PROFIT</b>	<b>\$145,302.12</b>
Expenses	
B9 CANNABIS SUBDIV EXP	9,215.23
B9A1 Advertising/Promotional	21,363.72
B9A1a Fall 2020 ACS meeting	1,860.00
<b>Total B9A1 Advertising/Promotional</b>	<b>23,223.72</b>
B9A2 Heidolph North America scholarship	27,082.91
B9A3 Perkin-Elmer CANN expenses	3,040.00
B9A5 CANN ADMIN & POSTAGE	4,755.27
B9A51 Zoom Account	1,580.71
B9A52 Web - G Suite	4,920.99
<b>Total B9A5 CANN ADMIN &amp; POSTAGE</b>	<b>11,256.97</b>
B9A6 CANN Dues & subscriptions	4,427.00
B9A7 Cann networking events	8,569.36
B9A8 CANN Officer Reimbursement	15.27
B9A9 Video production	2,250.00
<b>Total B9 CANNABIS SUBDIV EXP</b>	<b>89,080.46</b>
<b>Total Expenses</b>	<b>\$89,080.46</b>
<b>NET OPERATING INCOME</b>	<b>\$56,221.66</b>
<b>NET INCOME</b>	<b>\$56,221.66</b>

# Division of Chemical Health & Safety

## CANN P&L

January 1 - August 9, 2022

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F2 DONATION CANN SUBDIVISION	
A1F2A Heidolph North America	5,000.00
<b>Total A1F2 DONATION CANN SUBDIVISION</b>	<b>5,000.00</b>
<b>Total A1F DONATIONS</b>	<b>5,000.00</b>
<b>Total A1 CONTRIBUTIONS</b>	<b>5,000.00</b>
<b>Total Income</b>	<b>\$5,000.00</b>
GROSS PROFIT	\$5,000.00
Expenses	
B9 CANNABIS SUBDIV EXP	
B9A1 Advertising/Promotional	45.00
B9A2 Heidolph North America scholarship	4,599.00
B9A5 CANN ADMIN & POSTAGE	
B9A51 Zoom Account	384.82
B9A52 Web - G Suite	1,608.40
<b>Total B9A5 CANN ADMIN &amp; POSTAGE</b>	<b>1,993.22</b>
<b>Total B9 CANNABIS SUBDIV EXP</b>	<b>6,637.22</b>
<b>Total Expenses</b>	<b>\$6,637.22</b>
NET OPERATING INCOME	\$ -1,637.22
NET INCOME	\$ -1,637.22

## **Awards Committee Report Fall 2022 National Meeting**

### **2022 Award Recipients**

The 2022 Awards session is scheduled for 2pm on Sunday, August 21 in the following order.

#### **SafetyStratus College and University Health and Safety Award:**

University of Nevada Reno – Luis Barthel Rosa, UNR, presenting in-person

#### **CHAS Graduate Student Safety Leadership Award:**

Quinton Bruch, MIT, presenting in person

#### **Howard Fawcett Award:**

Susan Silbey, MIT, presenting virtually

#### **Laboratory Safety Institute Graduate Research Faculty Safety Award:**

Alexander Miller, UNC-Chapel Hill, presenting in person

2023 Nominations are open.

## Long Range Planning Committee Report Fall 2022 National Meeting

### **ITEM 1: Updates from S22**

- AI 108 – “CHAS At a Glance” removed from AI 108 (Programming) since it has been moved to the duty of the Immediate Past Chair.
- Populate Standing Committees: Updated AI 110 – “*The N&E Committee consists of the Immediate Past Chair, the Chair, and the Chair Elect. Traditionally the Immediate Past Division Chair serves as the Chair of N&E. The Immediate Past Chair serves as the Chair of N&E.*”

### **ITEM 2: Reinvision the Long Rang Planning Committee**

#### 1. Create a Parliamentarian

Do we want to create this position and move the Administrative Manual out of LRP?

I am proposing that we should establish a Parliamentarian position who is not on the LRP committee (but could be) and their duty is to maintain the Administrative Manual. This way, LRP can be a real committee that does what the name implies and not just one person who updates the AM.

This position would receive travel funding at the Chair rate for the spring and fall meetings.

2. There are about 6 folks who wanted to serve on LRP according to the survey Ralph did. I want to get them involved. Let one of them step up as Chair of LRP to be a champion for the strategic plan.

### **ITEM 3: Rename PART 5 “NATIONAL MEETINGS”**

The ACS is no longer referring to these as “National Meetings”, but rather fall and spring meetings. Propose renaming PART 5, “ACS MEETINGS”.

### **ITEM 4: Expand and move Educational Programing**

Currently there are two issuances for this in PART 5:

AI 506 – Educational Program Team, and  
AI 507 – Workshops Manual

An update is required to institutionalize the graduate student workshops and reflect that the workshops are no longer necessarily associated with the fall and spring meetings.

Proposed:

1. Modify AI 506 to designate workshops as “Professional” or “Peer Led”, each with their own responsible party (chair).
2. Modify AI 507 to reflect changes in workshop delivery since COVID.
3. Add AI 508 – “Peer Led Workshops”.

4. Remove Educational Program Team from PART 5 NATIONAL MEETINGS and relocate in manual. There are several possibilities for where this could fit.

- PART 4 of the manual is “BOOKS AND PUBLICATIONS”. There is only one AI in this section. It is “Publishing Agreement for Editors” (1999). The stated purpose for this is, “To provide guidelines of for book editors wishing to publish books based on CHAS sponsored symposia.” We could retitle PART 4 as “Educational and Scholarly Activities”
- PART 6 is currently a place holder and empty. We could utilize this part for “Educational Activities.”

Proposed issuance additions and updates – AI 506, AI 507, and AI 508.

0      Educational Program Team

1      Function:

To facilitate the training and education of chemical professionals in health and safety

2      Date:

Original Issuance:

Revision: 01/18/16

3      Responsible Officers:

Professional Workshop Chair

Peer Led Workshop Chair

4      Costs:

Professional and Peer Led workshops are expected to be self-sustaining and a source of revenue for CHAS. Workshop expenses should be covered wholly by workshop registration fees.

5      Workshop Financials:

For Professional workshops, the presenter expenses will be paid first, with any remaining income split equally between the presenters and CHAS.

For Peer Led workshops, the registration fee is set at a level to cover the costs of the workshop as held virtually or in person. At the end fiscal year, Peer Led workshops shall revenue share income (10% to 25%) with the division. Remaining funding will be carried forward into the next fiscal year for Peer Led workshops.

All presenters must supply an IRS W-9 form to the Treasurer.

6      Workshop Development

New workshops require approval from the Executive Committee. A summary of learning pedagogy and content should be provided.

7      Scheduling Workshops

Workshops are scheduled by the responsible officer designated in Section 3. Workshop organizers (if other than the responsible officer) must work with the responsible officer to establish times and locations. The responsible officer will inform the treasurer once times

and locations have been established. The Treasurer and the responsible officer will make sure the information is posted in Eventbrite.

## 8 Presenter Responsibilities

Presenter Responsibilities are provided for the Professional workshops in AI 507 and for the Peer Led workshops in AI 508.

0      Professional workshops

1      Purpose:

The purpose of professional workshops is to share the knowledge within the Division of Chemical Health & Safety via virtual workshops. The objective is to provide for well attended, properly planned workshops with good accounting for attendees and presenters, as well as prompt, correct expense reimbursements and revenue sharing for presenters and the Division.

2      Date:

Original Issuance: 03/17/05 (Russ Phifer)

Revisions: 01/07/15; 0/20/17

Revision/Effective Date:

3      Workshop Policies:

The Division of Chemical Health and Safety manages a program of professional workshops. Workshops may be on any topic related to chemical safety. Applications to present a workshop should be submitted to the Professional Workshop chair and Education Committee at least three (3) months prior to schedule. This is necessary to assure proper promotion of the workshop and provide as much time advance notice for registration as possible.

4      Financial policies:

- CHAS expenses related to the Workshops will be paid first. Workshop presenters' expenses will then be paid. Any remaining revenues will then be divided equally among the presenters and the Division.
- No reimbursement or presenter fee payment will be made to presenters until final accounting is complete.
- The Professional Workshop Chair reserves the right to cancel any presentation with two weeks advance notice, based on advanced registration.
- A presenter's share of revenues over \$600 will be reported as income on a federal form 1099. If no reimbursement of expenses is requested, all revenue to the presenter will be reported as income by the Treasurer. Presenters must provide social security number or Federal Tax Identification Number and a correct mailing address to receive payment.

5      Workshop Presenter Responsibilities:

- Develop programs
- Prepare handouts and other presentation materials

- Help with workshop promotion
- Provide certificate of completion for attendees

#### 6 CHAS Executive Committee Responsibilities:

- Review workshop programs for financial accountability annually.
- Set fees for workshops, in consultation with the Professional Workshop Committee Chair and presenters.

#### 7 Professional Workshop Chair Responsibilities:

##### General

- Solicit, review, and approve or disapprove applications to present workshops. Schedule sessions in conjunction with presenters and CHAS Programming Chair.
- Handle and coordinate publicity for professional workshop program.
- Manage the registration via at Eventbrite
- Determine whether workshops will be held based on advance registration.
- Respond to questions regarding the program from presenters and participants.
- Assist the Treasurer of CHAS with accounting.

##### Schedule/Specific

##### A. Approximately Twice a Year

- Confirm which workshops are planned by sending a notice to all interested parties. Determine whether a specific planned workshop is viable; request an abstract if one has not already been developed and approved. Obtain opinions, if necessary, on whether new workshops would be viable. Determine which day(s) the workshop(s) will be held.
- Develop a list of approved workshops and abstracts.
- Review and revise/establish fee structure for each virtual workshop.
- Consider any advance publicity, including a notice in the Local ACS Section.
- Provide Division webmaster with workshop schedule dates, abstracts & fees for posting on website and any appropriate Listservs (including the CHAS Listserv). Make sure all registration information is provided, including dates, times & fees in Eventbrite. Include contact information (who will provide information about the workshops, how attendees can register)

##### B. Two to Three Weeks Before Workshop

- Go - no go decision must be made no later than two weeks in advance, preferably three if there is sufficient advance registration. Cancellations should be made as early as possible.
- Notify presenters and attendees if class will or will not be held. If class is not to be held, offer advance registrations the opportunity to transfer into a class that will be held. Notify the Treasurer to process refunds for those who

register for classes which are canceled.

- Provide presenters with names & contact information for attendees.

C. Upon Completion of Workshops

- Within one week of the workshop, presenters shall provide all attendees with Certificates of Attendance.
- The Treasurer will issue profit sharing checks.
- Each Professional Workshop Chair should prepare a summary report for the following spring or fall meeting agenda book and submit to the Secretary.

0      Peer Led Workshops

1      Purpose:

The Division provides a variety of educational opportunities to its members and interested stakeholders. This issuance describes the goals of the peer led workshops, which is a specific type of lab safety educational opportunity designed for post graduate students, early career chemists, and environmental health and safety professionals.

2      Date:

Original Issuance:

Revisions:

Revision/Effective Date:

3.      Goals:

The primary goal of the peer led workshop program is to provide a space for chemical researchers and safety professionals to interact in guided discussions on critical issues affecting research safety in academic labs. A secondary goal is to coach graduate students on how to lead and moderate these critical discussions.

4.      Content:

The content of the peer led workshops has been established by original presenters but is intended to evolve as new presenters use the material. With each workshop, the content is refined and updated based on (i) feedback from participants, (ii) feedback from those who ran the previously held workshop, and (iii) discussions among the workshop leaders and current presenters.

Broadly speaking Peer Led workshops cover these topics:

- Risk Assessment Using RAMP in the Research Lab
- Laboratory Safety Culture Tools
- Empowering Academic Researchers to Strengthen Safety Culture
- Relevant Emerging Issues

The content of the workshops is expected to continue to evolve over time to leverage content of the other workshops, but will primarily be based on the curriculum developed by work groups.

The content of the workshops will be shared under a Creative Commons Attribution-Noncommercial license (CC BY-NC).

5      Presenters:

Small group discussion leaders are selected from those who have previously attended a workshop in the peer-led series. Presenters are selected from the pool of small group discussion leaders who have proven reliable and dedicated to the content. A mentorship team composed of CHAS members provides significant coaching and preparation of presenters and small group discussion leaders. This presenter pool of about 15 people is managed by a subcommittee of the CHAS membership committee.

6      Logistics:

The logistics of the peer led workshop require careful coordination among the presentation team. For this reason, the peer led workshops will not be cancelled for low registration numbers and scheduling of the 3 workshops in the program will be coordinated with each other to avoid conflicts for potential attendees and the presentation team.

7      Finances: There are four elements of the peer led financial plan:

The registration fee for these workshops is set at a level to cover the costs of the workshop. Costs include (i) a Zoom account or physical space, (ii) honoraria for the graduate students who serve as presenters and discussion leaders, (iii) honoraria for others who may assist with running the workshop, (iv) travel for instructors, and (v) incentives to attend networking socials.

When workshops are presented at specific institutions on request, either in-person or virtually, a flat event fee is required. The presentation rate should be negotiated between the Peer Led Workshop Chair and the outside institution in consultation with the CHAS Treasurer prior to event. Other presenter expenses can also be negotiated by the two parties and must cover all expected expenses of the workshop to be held.

The operating account is managed by the Treasurer.

## Programming Committee Report

### Fall 2022 National Meeting

The **Spring 2022** National Meeting was hybrid – presented both onsite in San Diego, CA and virtually. CHAS continued with a hybrid approach of both all-virtual and in-person/virtual events. With a theme of “Bonding Through Chemistry,” the following symposia were scheduled, for a total of 37 papers presented:

- Inclusive EHS - Both Technical and Cultural Aspects of our Work (Decker/Pickel) – 5 papers
- Division of Chemical Health and Safety General Papers (Decker/Pickel) – 14 papers
- The 2022 ElSohly Award Symposium Sponsored by Heidolph North America (Boyar, Coffin) – 3 papers
- Cannabinoid Conversions: Chemistry and Commerce (Wise) – 9 papers
- Sci-Mix (in-person) (Pickel) – 6 posters

We had several no-shows for posters but our General Paper symposia continue to be well-received. How to facilitate poster presentation in a hybrid environment continues to evolve with ACS M&E.

For the **Fall 2022** meeting in Chicago, the following symposia are being presented with 54 papers contributed:

- Division of Chemical Health and Safety Awards Symposium (Brown/Chance)
- Safety Across the Chemical Disciplines (Kuespert)
- Indicators of Success in Laboratory Safety Cultures (Stuart)
- Division of Chemical Health and Safety General Papers (Decker/Pickel)
- Division of Chemical Health and Safety General Posters (Decker/Pickel)
- EHS leadership & diversity (Koza)
- Blazing Trails: Cannabis Chemistry in Post-secondary Education (Canfield/Wise)
- Latest Developments in Cannabis Science (Boyer/Wise)

Programming will extend from Sunday morning to Thursday morning. Unfortunately, due to a miscommunication, our Sunday morning session will conflict with the Committee on Chemical Safety meeting. Conversation about how to avoid this conflict in the future are ongoing. We will work with M&E and DAC to negotiate session allocations to avoid this conflict, going forward.

**Spring of 2023**, we'll be meeting in Indianapolis with the theme “Crossroads of Chemistry.” We're discussing collaborative programming with CHAL and SCHB for 2023. At the moment, our collaborative symposia will be planned within the CHAL and SCHB programs with support

and contributions from CHAS members, as appropriate. Currently, 14 (!) symposia are planned for Indianapolis as follows:

- Division of Chemical Health & Safety General Papers
- Division of Chemical Health & Safety Posters
- Pharmaceuticals in the Environment - the Next Emerging Contaminant of Global Concern
- EHS Leadership and Diversity
- Safety Stories: Successful Career Paths in Chemical Health and Safety
- ~~○ Out of the frying pan and into the fire: Adventures in "managing up" to bring about a more positive safety culture~~
- CHAS Fellows Symposium
- Disrespect for Safety
- Safety Across Disciplines
- Cannabinoids and their Role in Medicinal Chemistry
- Cannabinoids in Complex Matrices: Interactions and Analysis
- ElSohly Award Symposium
- Women in Cannabis: Breaking through the grass ceiling
- Cannabinoids in Complex Matrices: Interactions and Analysis
- ElSohly Award Symposium
- Women in Cannabis: Breaking through the grass ceiling

MAPS opens to authors on 8/15/2022. We'll keep you posted on where to submit if you wish to present in either the CHAL or SCHB co-sponsored symposia.

- Future Programming: tentatively planned for Fall 2023 in San Francisco (actual call for symposia in Nov/Dec 2022)
  - CHAS Awards Symposium: Brandon Chance/Awards Committee
  - CHAS General Papers / General Posters: *Opportunity for new organizer/presider!*
  - Out of the frying pan and into the fire: Adventures in "Managing up" to bring about a more positive safety culture – Taysir Bader, ....

## Sunday AM Session

### *Safety Across the Chemical Disciplines*

09:00am - 11:40pm

**Daniel Kuespert, Marta Gmurczyk Organizers**

9:00-9:05 AM Introductory Remarks

9:05-9:30 AM Blueprint thinking to build sustainable solutions on the solid foundation of safety, *Kalyani Martinelango*

9:30 – 9:55 AM Hazard Identification and mitigation in a multidisciplinary industrial research environment. *George Athens*

9:55 – 10:20 AM Safety in the catalysis research lab. *Mark Bachrach*

10:20-10:45 AM Risk, safety and troublesome territoriality: Bridging interdisciplinary divides. *John Palmer*

10:45 – 11:10 AM – Risk-based safety education fosters sustainable chemistry education. *Georgia Arbuckle-Keil*

11:10 - 11:40 AM Panel Discussion (featuring Diane Grob Schmidt)

## Sunday PM Session

### **CHAS Awards Symposium**

02:00pm - 04:05pm

**Brandon Chance Organizer**

2:00-2:25 PM Introductory Remarks and Awards

2:25-2:50 PM Interdepartmental initiatives to improving campus chemical safety. *Luis Bartha Rosa*

2:50-3:15 PM Building and sustaining a culture of safety via ground-up approaches. *Quinton Bruch*

3:15-3:40 PM Safety net: Lessons in sharing safe laboratory practices. *Alexander Miller*

3:40-4:05 PM Governing green labs: Assembling safety at the lab bench. *Susan Silbey*

**All Technical Sessions will be presented in Dusable CC21 Hyatt Regency McCormick Place  
All time are Central**

### Division Open Business Meeting

**Date:** Monday, 8/22/22

**Time:** 12:00 Noon-2:00 PM

**Location:** Hyatt Regency McCormick in the Hyde Park B/ CC 11B

### Committee on Chemical Safety

**Date:** Sunday, 8/21/22

**Time:** 8:00AM-10:00AM

**Location:** Sheraton Ballroom IV  
Sheraton Grand Chicago

### Social Events

#### **CHAS/BMGT Networking Social**

**Date:** Sunday, August 21st

**Time:** 6:00PM-9:00 PM

**Location:** Motor Row Brewing  
Venue Overdrive  
2337 S. Michigan Ave  
Chicago, IL

#### **→ CHAS, SCHB, BMGT Industry Networking Reception**

**Date:** Monday, August 22

**Time:** 6:30-8:00 PM

**Location:** Sheraton Grand Chicago  
Sheraton Ballroom I/II



## ACS Fall 2022 *Sustainability in a Changing World* Meeting & Exposition

Chicago, IL

August 21-25, 2022



## DIVISION OF CHEMICAL HEALTH AND SAFETY

Debbie Decker

& Joe Pickel

**Program Chairs**

Please plan on attending the Division of Chemical Health and Safety's Technical Program in Chicago, August 2022 – presented both in-person and virtually. We have listed for your consideration our technical programming, meeting, and events schedule. We believe we have put together the best technical program to help you be successful and work safely in your laboratory.

## Monday AM Session

### *Indicators of Success in Safety Cultures*

**09:00am - 11:45am**

**Ralph Stuart Organizer/Presider**

09:00am - 09:05am Introductory Remarks

09:05am - 09:30am Indicators of success in a safety culture *Ralph Stuart*

09:30am - 09:55am What's in a name? Mapping the variability in lab safety representative positions. *Sarah Zinn*,

09:55am - 10:20am Supporting high school educators with a chemical hygiene officer.

*Kevin Doyle*

10:20am - 10:30am Intermission

10:30am - 10:55am Factors for improving a laboratory safety coordinator program *Kali Miller*

10:55am - 11:20am Empowering student-led organizations to create effective safety policies *Angie Tse*

11:20am - 11:45am Quantative and Qualitative indicators of safety culture evolution by the joint safety team. *Demetra Adratas*

## Monday PM Sessions

### **General Papers**

**2:00PM-5:35PM**

**Debbie Decker/Joe Pickel, Organizers/Presiders**

2:00pm – 2:05pm Introductory remarks

2:05pm – 2:30pm Case studies and chemical safety improvements. *Sandra Keyser*

2:30pm – 2:55pm Storytelling is an art in building a “safety first” culture. *Irene Cesa*

2:55pm-3:20pm Vertical safety engagement through new community connections committee of the UMN joint safety team. *Vilma Brandao et al.*

3:20pm-3:45pm Health and safety information integration: GHS 2021 version 9 in PubChem.

*Jian Zhang*

3:45-3:55 Intermission

## Monday PM Session (continued)

3:55pm-4:20pm Laboratory databases:

Applications in safety programming. *Magdalena Andrzejewska*

4:20pm-4:45pm Boundary conditions – designing and operating laboratory access controls for safety.

*Joe Pickel*

4:45pm – 5:10pm Health risk of natural radioactivity and trace metals in shaving powder.

*Akinsehinwa Akinlua*

5:10pm - 5:35pm Field-portable colorimetric method for the measurement of peracetic acid vapors. *Angela Stastny*

## Tuesday AM Session

### *EHS Leadership and Diversity*

**08:40-11:50 AM**

**Mary Beth Koza Organizer/Presider**

8:40am – 08:45am Introductory remarks.

8:45am – 9:10am Remember: No matter where you go, there you are. *Samuella Sigmann*

9:10am-9:35am What is your safety role? An introduction to structured safety programs. *Mary Heuges*

9:35am-10:00am Safety leadership and organizational design *Mary Koza*

10:00am-10:25am Chemical Safety in the ACS Chicago Section *Kenneth Fivizzani*

10:25am-10:35am Intermission

10:35am-11:00am Workplace safety needs diversity to endure that everyone is safe *Frankie Wood-Black*

11:00am-11:25am Improving researcher safety: Activities of the University of California center for laboratory safety *Imke Schroeder*

11:25am-11:50am Circadian rhythms based safety for managing the risks of human factor manifestation. *Amir Kuat*

## Tuesday PM Sessions

### **Cannabis Chemistry Subdivision Technical Programming**

### ***Latest Developments in Cannabis Science and Sustainability***

**2:00pm-4:40pm**

**Kyle Bolar, Amber Wise, Organizers/Presiders**

## Wednesday Sessions

### **Cannabis Chemistry Subdivision Technical Programming**

### ***Blazing Trails: Cannabis Chemistry in Post- secondary Education***

**08:00am - 11:45am and 2:00pm-4:40pm**

**Amber Wise, Brandon Canfield, Organizers  
Brandon Canfield, Presider**

## Thursday Session

### **Cannabis Chemistry Subdivision Technical Programming**

### ***Latest Developments in Cannabis Science and Sustainability***

**08:00am-11:35am**

**Amber Wise, Kyle Bolar, Organizers/Presiders**

***All Technical Sessions will be presented  
in the Hyatt Regency McCormick Place,  
Dusable/CC21***

***All times are Central Time***

## Membership Committee Report Fall 2022 National Meeting

### Innovative Project Grant progress

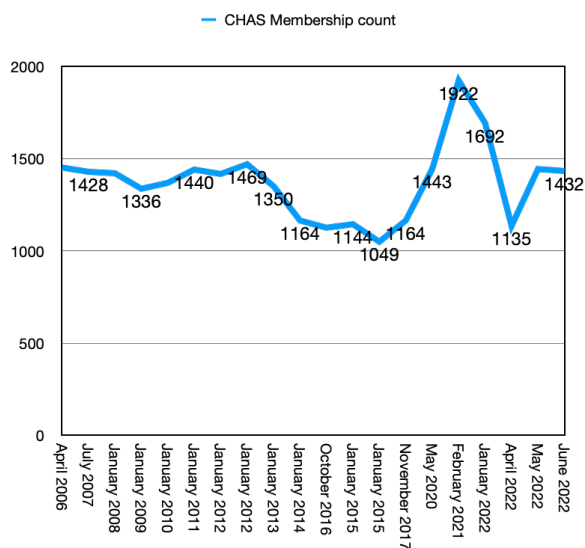
The “CSL-in-a-Box” Innovative Project Grant that the Division received in August, 2021 has started to move forward. The grant funding was used to organize a focus group for the Joint Safety Teams at the Univ of Minnesota. These discussions, held in conjunction with an offering of the *RAMP in the Research Lab* in person workshop (see the Peer Led workshops report in this agenda book) were designed to understand the safety information needs of bench chemists in academia. About 25 grad students participated in the focus group and are being invited to participate in a survey about their risk assessment practices and ways to improve sharing of Lessons Learned to and from the lab bench chemists. We expect a report on this project to be available in August, 2022.

#### Questions We are Considering based on feedback from focus groups

1. Is **quality** or **quantity** more important in assessing the success of Lesson Learned program success? Is the CSB story approach more valuable than systematic data collection?
2. What level of **technical detail** is necessary in a Lesson Learned?
3. Is **anonymous** reporting necessary?
4. How are **cultural issues** best addressed in investigations? (sharing lessons versus minimizing liability)
5. What kinds of **incentives** will best support this work? (Money prizes, scholarly recognition (peer reviewed publications), institutional recognition)

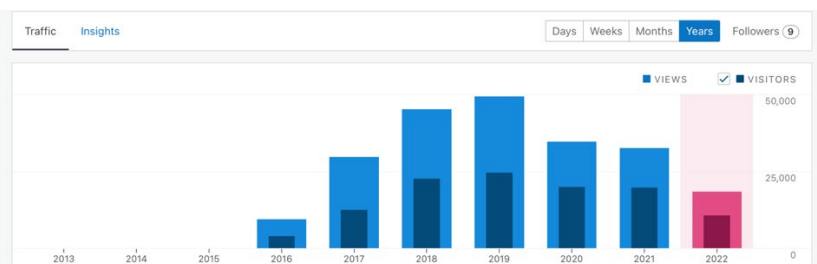
### Membership count and trends

The June, 2022 CHAS membership roster count stands at 1433, which is down 30% from the 1910 members reported on the eRoster last July. However, the current number is in line with the traditional (i.e. pre-Cannabis subdivision) range of 1300-1500 CHAS Members (see chart below). Given the recent changes in the definitions of ACS membership, it is not clear which of these historical numbers is the best comparison.



## Web site traffic

Web site traffic on dchas.org peaked in 2019 and is currently running about 70% of what it was in 2019.



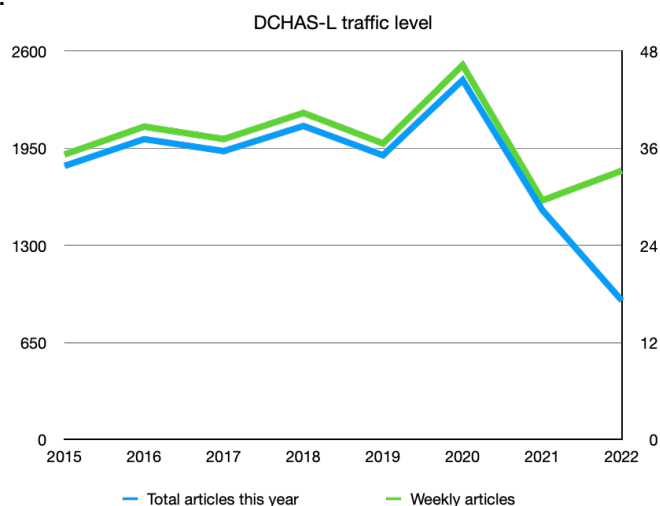
The table below shows the 25 most popular pages on the web site since 2017.

Title	count
Welcome!	43517
Home page / Archives	26302
DCHAS Lab Risk Assessment Video available!	7530
Periodic table of Safety Elements Updated	6054
Laboratory Lessons Learned Pages Updated	4695
Periodic Table of the elements of safety	4665
Become a Member	4663
Journal of Chemical Health and Safety	4031
About Us	3434
Members of CANN	2323
Update on Chemical Safety Information in PubChem	2296
CHAS Workshops 2022	2295

Fall 2018 Chemical Health and Safety Workshops	2117
ACS Chemical Safety Resources	2086
Key Chemical Safety Education Resources	1753
Working Alone in the Lab? Video Available	1710
CHAS Workshops 2021	1564
The DCHAS-L list	1520
A Quick Overview of Classroom Flammable Liquid Hazards	1429
CHAS Student Registration Award	1382
Chemical Health and Safety News	1221
Upcoming CANN Events	1219

### DCHAS-L traffic

As with other membership activities, DCHAS-L e-mail traffic peaked in 2019, both in terms of total number of posts and in the weekly traffic level. Note that the 2022 total traffic data reflects a half year of traffic, so DCHAS-L traffic level appears to be return to pre-pandemic levels.



### Succession Planning

After over 15 years serving as membership committee chair and secretary, I am ready to retire from my roles within CHAS as of the end of 2022. I have identified no clear succession to address this change. The current list of CHAS activities I am involved in include:

1. Moderate DCHAS-L
2. Update membership list for DCHAS-L
3. Track hazmat news and headline summaries
4. Update web site before and after national meetings
5. Respond to web site inquiries
6. Publish a monthly membership newsletter (in concert with a 3 person subcommittee)
7. Organize ACS Safety Webinars

8. Support peer led workshops with web site updates
9. Support Journal club with web site updates
10. Innovative Project Grants management
11. Maintain CHAS twitter feed

The total time commitment for this work is about 10 hours/week. The Division should consider which of these activities it wants to continue and recruit people to take on the roles the Division wants to maintain. I am available to explore training of new people to assume these roles, if desired.

## **Peer-Led Workshops Report Fall 2022 National Meeting**

The initial peer-led workshop (ACS CHAS Empowering Academic Researchers to Strengthen Safety Culture) has been successfully delivered for 5 years as of the end of 2022. Originally delivered at ACS National Meetings, and a few ACS Regional Meetings, the workshop was adapted for virtual delivery independent of ACS meetings starting in 2020 and has continued to be delivered in this way. This workshop has continued to serve the needs of chemical researchers in ACS from the undergraduate through the faculty level while also building bridges between chemical researchers and safety professionals. The workshop has also attracted multiple international students studying in US institutions (both as participants and as workshop staff), as well as some participants working or studying in institutions abroad including from Canada, Germany, and Nigeria. In 2021, a second peer-led workshop (ACS CHAS RAMP in the Research Lab) was developed in response to the interest expressed by many members in a workshop dedicated to teaching how to implement RAMP.

These workshops have also functioned as a means of mentoring graduate researchers to develop them into research lab safety leaders. The Workshop Leader, Facilitators, and Moderators are recruited from the ranks of graduate researchers who have expressed a passion for research lab safety and CHAS. They are advised by a Mentorship Team consisting of safety professionals and early career researchers involved in CHAS who are deeply knowledgeable and supportive of the workshops.

### **ACS CHAS Empowering Academic Researchers to Strengthen Safety Culture (aka The LST Workshop)**

#### *Leadership Transition*

This workshop was founded by Kali Miller as a graduate student (University of Illinois Urbana-Champaign, graduated 2019) and first delivered in 2018. After running the workshop for 2018 and 2019, she identified and mentored Jessica Martin (University of Connecticut, graduated August 2021) to take over as the graduate student Workshop Leader for 2020 and 2021. Jessica Martin (University of Connecticut, graduated 2021) then identified and mentored Monica Nyansa (Michigan Technological University) to take over as the graduate student Workshop Leader for 2022 and 2023.

As Workshop Leader, Monica Nyansa recruits and trains the 2 graduate student workshop Facilitators for each workshop as well as the 4-8 graduate student Moderators. She also sets up opportunities for the Facilitators and Moderators to solicit feedback from the Mentorship Team on the continuously updated workshop content and delivery. Monica has continued to run the workshops virtually using Zoom three times per year. She has successfully run the workshop in March and in June and is currently training the new team to deliver the final workshop of this year in October. Next year, in addition to running the virtual workshops, she will be identifying and training the next Workshop Leader for 2024 and 2025.

### *Attendance and Finances*

In March 2022, Rachel Wiley (The University of Memphis) and Omar Leon Ruiz (UCLA) served as the Facilitators. The following individuals served as Moderators: Hossain Shadman (The University of Memphis), Amanda Chung (UC Irvine), Abhijeet Patil (Michigan Technological University), Saghar Gomrok (The University of Memphis), Hemanta Timsina (University of Arkansas), Farouq Busari (University of Ibadan – Nigeria), Jessica Martin (Mentorship Team), and Tammy Lutz-Rechtin (Mentorship Team).

In June 2022, Hossain Shadman (The University of Memphis) and Amanda Chung (UC Irvine) served as the Facilitators. The following individuals served as Moderators: Dinesh Gautam (Ohio University), Christy Dyer (The University of Memphis), Brady Bresnahan (University of Minnesota), Ashan Wettasinghe (University of Texas at Dallas), Melissa Alfonso (The University of Memphis), and Adelina Oronova (Michigan Technological University).

Workshop	# of participants	Profit (\$, Revenue minus Cost)	Cost (\$)	Revenue (\$)
2022 March	41	666.70	738.30	1405.00
2022 June	20	482.20	467.80	950.00

For October 2022, Adelina Oronova (Michigan Technological University) and Omar Leon Ruiz (UCLA) will be serving as the Facilitators.

### **ACS CHAS RAMP in the Research Lab**

#### *New Workshop and Leadership Transition*

In 2021, Ralph Stuart worked with a team to develop the workshop called RAMP in the Research Lab. The development team included: Taysir Bader (Graduate Researcher, University of Minnesota), Catherine Wilhelm (Graduate Researcher, University of Michigan), Haim Weizman (UC San Diego), Kerry Betz (Stanford University), and Whitney Hess (Massachusetts Institute of Technology). This workshop was developed as an opportunity for graduate students to coach their peers on how to implement RAMP as a risk management strategy to the development of their experiments. This workshop was delivered virtually to a broad audience by Catherine Wilhelm and Taysir Bader in November 2021. In January 2022, this workshop was also delivered virtually by Catherine Wilhelm and Taysir Bader to an audience of Chemistry graduate students at MIT, and moderated by MIT EHS staff.

This workshop is now being converted to the workshop model developed for the LST Workshop. Brady Bresnahan (University of Minnesota) has been recruited by Ralph Stuart to function as the Graduate Student Workshop Leader for the rest of 2022 and 2023. The workshop was delivered to an in-person audience of LSOs from the Chemistry and Chemical Engineering and Material Science departments at the University of Minnesota by Brady Bresnahan and Taysir Bader in July 2022. There are now plans to prepare the workshop to be delivered virtually in November.

### *Attendance and Finances*

Workshop	# of participants	Profit (\$, Revenue minus Cost)	Cost (\$)	Revenue (\$)
2021 November	28	432.20	517.80	950.00
2022 January	16	100.00	400.00	500.00
2022 July	40	0.00	In-Kind UMN	0.00

### **Organizational Future**

Jessica Martin is now working with the CHAS Executive Committee to formalize a position for the peer-led workshops within CHAS and to develop a space for those members who have graduated from their programs and would now like to support students and early career chemical researchers of CHAS membership in other ways. To this end, she is also working with the Workshop Leaders to optimize the role of the Mentorship Team and to expand ways in which it can support the goals of the workshops. Kali Miller is working with the CHAS Executive Committee to develop a formal reporting structure for the peer-led workshops and to explore further opportunities on how to use this information to recruit new members to CHAS.

For further information please contact:

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Monica Nyansa (LST Workshop Leader) [mnyansa@mtu.edu](mailto:mnyansa@mtu.edu)

Brady Bresnahan (RAMP Workshop Leader) [bresn047@umn.edu](mailto:bresn047@umn.edu)

## **NRCC/CHAS Report Fall 2022 National Meeting**

The Chemical Hygiene Officer certification program has had 33 new applications since the first of the year; this is roughly double the normal number of applications we would normally expect over that time frame. Many of these applicants have attended DCHAS workshops.

The joint program with AIHA for Industrial Hygiene Chemists has gotten off to a covid-slowed start, but a few applications are coming in, and we continue to work with AIHA on promotion. They have been offering several pertinent training programs that may spur activity.

The new Cannabis Chemist certification program is live, and we have received a few applications to date. We are working with the CHAS Cannabis Subdivision to promote this program and will be approaching state departments of health to encourage regulatory change that enhances reliance on cannabis products through the certification program.

At the NAOSMM conference in Greenville, SC, I engaged in discussions with their certification program coordinators about possibly revitalizing the NAOSMM Certified Scientific Materials Manager program as a joint venture.

Russ Phifer  
Executive Director