

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

Sunday, March 20, 2022 10:15-11:30AM PST

Zoom Virtual Link <https://yale.zoom.us/j/96191338778>

1. **Welcome from Chair** (Elston) ([attachment 1](#)) 10:00
2. **Officer Reports** 10:05
 - a. Secretary (Wilhelm) ([attachments 2 & 3](#))
 - b. Treasurer (Koza) ([attachments 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7](#))
 - c. Immediate Past Chair (Elston)
 - d. Chair-Elect (Kuespert) ([attachment 5](#))
 - e. Councilors (Wood-Black, Decker) 10:45
 - f. Member-At-Large Report (Denlinger, Nephew) 10:50
3. **Cannabis Subdivision Report** (Bramante) ([attachment 6](#))
4. **Old Business** 11:00
 - a. IPG Update
 - i. Strategic planning update
 - ii. Update on work with Deep Web Technologies proposal for search tool
5. **New Business**
 - a. Approval of candidate slate for 2022 election (to start Jan 2023) (Elston)
 - b. Division dues for upcoming year (Koza, Incarvito)
 - c. Student Members serving in elected positions (Sigmann)
6. **Reports of the Standing Committees** 11:20
 - a. Programming (Decker/Pickel) ([attachments 7 & 8](#))
 - b. Awards (Brown) ([attachment 9](#))
 - c. Long Range Planning (Sigmann) ([attachment 10](#))
 - d. Membership (Stuart)
 - e. Education (Pfifer) ([attachment 11](#))
 - f. Development (Incarvito) ([attachment 12](#))
7. **Reports of Other Committees**
 - a. Regional Meetings (Lassiter) ([attachment 13](#))
8. **Liaison Reports** 11:50
 - a. NRCC (Phifer) ([attachment 14](#))
9. **Reminders and Adjournment**

Chair Report Spring 2022 National Meeting San Diego, CA

Welcome to San Diego and the closest we have been to an in-person ACS National Meeting in quite some time. It is almost certain that the hybrid meeting model will persist beyond this meeting and so we should look to maximize the opportunities of the virtual and in-person experiences, balancing both to the best of our abilities. I will be traveling to San Diego and look forward to catching up with those who are making the trip.

I began my term as 2022 Chair by identifying goals for the division. Building upon the work of previous chairs these organizational goals are meant to further strengthen our division by reflecting on our membership, looking toward the future, and increasing opportunities for engagement. More specifically I strive to make CHAS ever more inclusive, a goal that has no defined milestone but serves to guide us in how we approach our membership, outreach, programming, engagement, and every other aspect of CHAS. I also want to complete a strategic planning exercise and with enormous leadership efforts from Chair-Elect Daniel Kuespert this is underway. And finally, I want to strengthen our committee structure by recruiting new volunteers and providing them opportunity to learn about the division's functions alongside experienced members. The effort in pursuing these goals, and many beyond that short list, will continue to rely on the entirety of our membership – time, expertise, and generosity.

The Division is proud to have assembled another outstanding meeting program for San Diego thanks to the hard work of Debbie Decker and Joe Pickel. As we emerge from pandemic-imposed restrictions and virtual-only meetings it is quite remarkable to reflect on how Debbie and Joe stewarded our technical program with great success – strengthening quality amid such uncertainty. And thank you to those who contributed to the program by submitting abstracts and organizing sessions.

Lastly, a special thanks to all CHAS volunteers and in particular to Immediate Past Chair Harry Elston and Chair-Elect Daniel Kuespert for their dedication in leading the Division.

Enjoy the conference!

Chris Incarvito

January 2022 CHAS Executive Committee Meeting Minutes

20 January 12:00 Eastern, 11:00 Central, 10:00 Mountain, 09:00 Pacific

<https://yale.zoom.us/j/99792990460>

203-432-9666, ID: 997 9299 0460

Start: 12:02PM, Adjourned 1:13PM

Attendees: Brandon Chance, Debbie Decker, Harry Elston, Chris Incarvito, Mary Beth Koza, Dan Kuespert, Neal Langerman, Joe Pickel, Sammuells Sigmann, Ralph Stuart, Monique Wilhelm, Frankie Wood-Black

1. EC Overview and recap of changes for 2022 (Incarvito)
 - a. Streamline and promote volunteerism
 - b. More streamlined intake portal on website and sign up for committees
 - c. Establish DCHAS committee listserv o give platform to focus on committee work
 - d. Concerns of younger members of CHAS, addressed ways to be involved
2. *Consideration of existing positions/roles to be included on EC
 - a. Educational Program chair
 - b. ACS Liaison – request for more info
 - i. Councilors officially act in this role – they go to council meeting, works with ACS committees and rest of overall organization, and report back to the division
 - ii. Please let Councilors know of any questions you have about ACS council and how it runs
 - iii. Should Marta be included in EC or Committee meetings due to her value to the division? We need to be sure that there is a clear line so that ACS is not making decisions for the division
3. Treasurer's Report (Koza)
 - a. Total income \$94,943.92
 - b. Total Expenses \$ 41,494.49
 - c. Net Income \$ 53,449.43
 - d. Income includes CANN donation \$ 10, 000, and ACS Grant to Grad Students \$ 5,000 ACS dues and
 - e. annual allocation of 40,199.63 ACS sponsorship of \$3,000.00.
 - f. \$ 10,200 of total income is the donations received for the CANN subdivision.
 - g. CANN Subdivision income \$10,200
 - h. CANN Subdivision expenses \$11,018.60
 - i. Net income \$ -818.60
 - j. **Motion:** Remove ACS meeting reimbursement for nominations/elections & government relations positions –**approved**
 - k. **Please send Mary Beth comments on reimbursement form by end of next week**
4. Strategic Planning (Kuespert)
 - a. **See 2 attachments**
 - i. Proposed development process discussed and amended
5. Educational Program Team (Incarvito)
 - a. Breadth of Team's responsibilities (e.g. workshops + webinars +?)

- b. Team structure
- c. Need feedback on which of the models (peer-led, workshops, webinars) are value-added to the membership?
- d. Should peer-led workshops (RAMP, LST, and Writing Safety Statements) fall under same financial model as traditional CHAS workshops
 - i. The peer-led workshops remain self-sustainable
 - ii. Mary Beth discusses that they all should fall under education, even if it does address membership recruitment, etc.

Held for Next Agenda

- 6. Programming
 - a. Green Chemistry Conference (6/6-8, Reston VA)
 - b. Western Regional Conference (10/19-22, Las Vegas NV)
 - c. SCHB co-programming at Chicago
 - d. Great Lakes Regional Meeting
 - e. All National Meetings moving forward will be hybrid
- 7. Awards (Chance)
 - a. General update on nominations/submissions
 - b. ACS Fellows
- 8. Young Chemists DCHAS subcommittee (Koza)
 - a. Tabled for future and tied to educational

Adjourned 1:13

*Indicates an item for decision-making or vote

3 attachments

Submitted by Monique Wilhelm

Secretary's Report
ACS Spring 2022
San Diego

Activities for 2022 Annual ACS Division Report

I would like to collect information for the annual report throughout the year as it occurs. Please submit info on any activities that you have completed this year to Monique. Details such as a brief description of the activity, any expenses/funding for the activity, number of volunteers and hours committed, and number served/number of participants would be helpful. A new online form for all to submit as events occur will be proposed in the near future.

2022 CHAS Executive Committee elections

Terms expiring at end of this year:

Chair-Elect, Councilor, Alternate Councilor

Will use online voting via Qualtrics

Anticipates voting dates: May 1-14, 2022

Nominees should send photo and short biography for ballot to mwilhelm@umich.edu
no later than April 24th

TREASURER'S REPORT

March 2, 2022

Mary Beth Koza

Data as of March 2nd, 2022

Treasurer's comments

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

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 30th 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

BALANCE SHEET SUMMARY

| | | As of ... | 31 December 2019 | 31 December 2020 | December 31, 2021 |
|--|----------------|------------------|---------------------|---------------------|----------------------|
| ASSETS | | | | | |
| | Current Assets | | | | |
| | | Checking/Savings | 80,121 | \$168,115 | \$212,445 |
| | Investments | | | | |
| TIAA-CREF inception value as of 1/6/2015 \$89,514 | | | \$116,444 | \$133,499 | \$147,408 |
| TOTAL ASSETS | | | | | |
| LIABILITIES & EQUITY | Liabilities | | \$0 | \$0 | \$0 |
| | Equity | | \$196,565 | \$301,814 | \$359,853 |
| TOTAL LIABILITIES & EQUITY | | | \$196,565 | \$301,814 | \$359,853 Page 9 |

BUDGET SUMMARY

Calendar Year, 2021

| | Budget, \$ | Actual, \$ |
|------------------------|------------|------------|
| Income | \$124,500 | \$97,700 |
| Expenses | \$72,925 | \$40,495 |
| Operating Gain/Loss | \$51,575 | \$ 57,205 |
| | | |

BUDGET SUMMARY

Calendar Year, 2022

| | Budget | Actual year to date |
|------------------------|----------|------------------------|
| Income | \$80,090 | \$0 |
| Expenses | \$79,00 | \$1,470.28 |
| Operating Gain/Loss | \$890.00 | \$ -1,470.28 |
| | | |

2022 Dues

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

2023 Dues

- Regular Member 12
- Retired Member 12
- Division Affiliate 25
- Society Affiliate 25
- Student Member 1
(Grad/Undergrad)
- Emeritus Status 0

FINANCIAL DETAILS

- Documentation
 - 2021 ACS Annual Report
 - Attached
 - 2021 Profit & Loss Statement
 - 2022 YTD Profit & Loss Statement
 - CANN P&L all years
 - CANN 2021 P&L
 - CANN 2022YTD

Chemical Health & Safety (CHAS), Inc. > Financial Form > 2021

Income

| <i>Part A. Income</i> | <i>2021 Budget</i> | <i>2021 Actual</i> | <i>2022 Budget</i> |
|-----------------------|--------------------|--------------------|--------------------|
|-----------------------|--------------------|--------------------|--------------------|

| | | | |
|--|-----------------------------|-----------------------------|-----------------------------|
| 1. Contributions * Contributions, gifts, grants, and similar amounts received from members, non members, or outside organizations for specific uses by, or general benefit of, the division. | Total \$46,500.00 | Total \$28,484.70 | Total \$31,015.00 |
| a. Meeting Grants | \$0.00 | \$0.00 | \$0.00 |
| b. Meeting Awards | \$0.00 | \$0.00 | \$0.00 |
| c. Non-meeting Grants | \$0.00 | \$5,000.00 | \$5,000.00 |
| d. Non-meeting Awards | \$2,500.00 | \$5,578.00 | \$2,500.00 |
| e. Innovative Project Funding | \$5,000.00 | \$7,500.00 | \$0.00 |
| f. Donations | \$35,000.00 | \$10,200.00 | \$20,000.00 |
| g. Other Contributions | \$1,000.00 | \$191.70 | \$500.00 |
| h. New member commissions | \$0.00 | \$15.00 | \$15.00 |
| i. Rebate from ACS for Councilor Travel | \$3,000.00 | \$0.00 | \$3,000.00 |

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|--|-----------------------------|-----------------------------|-----------------------------|
| 2. Membership Dues and Assessments * Dues collected from division members and affiliates in amounts assessed by the division. Dues are collected year-round by the ACS Columbus Office and are processed for payment to Division treasurers by February 15 and August 15 of every year | Total \$37,000.00 | Total \$40,199.63 | Total \$27,075.00 |
| a. February Dues payment | \$16,000.00 | \$5,713.00 | \$6,000.00 |
| b. August Dues payment | \$8,000.00 | \$8,233.50 | \$8,000.00 |

| | | | |
|--|-------------|-------------|-------------|
| c. Dues Paid Directly to Division | \$0.00 | \$75.00 | \$75.00 |
| d. Annual Division Allocation from ACS | \$13,000.00 | \$26,178.13 | \$13,000.00 |

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|---|------------------------|------------------------|------------------------|
| 3. Income from Self-Sustaining Activities * Include activities which are normally expected to be self-supporting and usually take place outside of the ACS national meetings. | Total \$0.00 | Total \$0.00 | Total \$0.00 |
| a. Total Income Self-Sustaining Activities | \$0.00 | \$0.00 | \$0.00 |

| | | | |
|--|------------------------|------------------------|------------------------|
| 4. Publications * revenues generated from the sale of non member subscriptions, advertising space in the division newsletter, book royalties, etc. | Total \$0.00 | Total \$0.00 | Total \$0.00 |
| a. Total Publications | \$0.00 | \$0.00 | \$0.00 |

| | | | |
|--|-----------------------------|-----------------------------|-----------------------------|
| 5. Conferences/Workshops/Meetings * Revenues generated from registration and admission fees for continuing education courses and workshops, public affairs events, and symposia offered to members and nonmembers. | Total \$30,000.00 | Total \$15,966.02 | Total \$12,000.00 |
| a. Total Conferences/Workshops/Meetings | \$30,000.00 | \$15,966.02 | \$12,000.00 |

| | | | |
|--|----------------------------|-----------------------------|-----------------------------|
| 6. Investment Income (Operating Acc.) * Revenues generated from registration and admission fees for continuing education courses and workshops, public affairs events, and symposia offered to members and nonmembers. | Total \$9,000.00 | Total \$13,049.87 | Total \$10,000.00 |
| a. Interest on Savings or Temporary Cash Investments | \$0.00 | \$0.00 | \$0.00 |
| b. Dividends and Interest from Securities | \$9,000.00 | \$13,049.87 | \$10,000.00 |
| c. Income from Investments of Tax-exempt Bond Proceeds | \$0.00 | \$0.00 | \$0.00 |

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|---|--|--|--|
| 7. Capital Gain (Loss) from Sale of Securities * | | | |
|---|--|--|--|

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|---|--------------------|-------------------------------------|-------------------------------------|
| Include realized gain or loss from the sale of securities. Do not include any unrealized gains or losses on securities carried at market value in the books of account. | Total \$ | Total \$0.00 | Total \$0.00 |
| a. Gross Amount from Sale of Securities | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| b. Less Cost or Other Basis and Sales Expenses | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| c. Gain or Loss | \$ | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |

| | | | |
|--|------------------------|-------------------------------------|-------------------------------------|
| 8. Royalties * Royalties realized as a result of book publication. | Total \$0.00 | Total \$0.00 | Total \$0.00 |
| a. Total Royalties | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |

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|---|--------------------|-------------------------------------|-------------------------------------|
| 9. Rental Income or (Loss) * Income or loss related to rental . | Total \$ | Total \$0.00 | Total \$0.00 |
| a. Gross Rents | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| b. Less: Rental Expenses | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| c. Rental Income or (Loss) | \$ | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| d. Net Rental Income or (Loss) | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |

| | | | |
|---|--------------------|-------------------------------------|-------------------------------------|
| 10. Income from Fundraising Events * Gross revenue, expenses, and net income from all fundraising activities such as dinners, dances, carnivals, raffles, and bingo games that are other than contributions to finance exempt activities. | Total \$ | Total \$0.00 | Total \$0.00 |
| a. Gross Income from Fundraising Events | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| b. Less: Direct Expenses | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| c. Net Income or (Loss) from Fundraising Activities | \$ | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |

| | | | |
|--|--|--|--|
| 11. Income from Gaming Activities * | | | |
|--|--|--|--|

| | | | |
|--|--------------------|-------------------------------------|-------------------------------------|
| Income related to gaming activities the division takes part in, including (but not limited to): bingo, pull tabs, instant bingo, raffles, scratch offs, charitable gaming tickets. | Total \$ | Total \$0.00 | Total \$0.00 |
| a. Gross Income from Gaming Activities | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| b. Less: Direct Expenses | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| c. Net Income or (Loss) from Gaming Activities | \$ | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |

| | | | |
|---|--------------------|-------------------------------------|-------------------------------------|
| 12. Sales of Inventory, Less Returns and Allowances * Sales revenue from inventory. | Total \$ | Total \$0.00 | Total \$0.00 |
| a. Gross Sales of Inventory, Less Returns and Allowances | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| b. Less: Cost of Goods Sold | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |
| c. Net Income or (Loss) from Sales of Inventory | \$ | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |

| | | | |
|--|----------------------------|-------------------------------------|-------------------------------------|
| 13. Total All Other Revenue * Itemize other revenue that does not seem to fit in one of the categories listed on the form. Example: ticket sales from social event, posters in the exposition hall, returned check, etc. | Total \$2,000.00 | Total \$0.00 | Total \$0.00 |
| a. Total All Other Revenue: | \$2,000.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |

| | | | |
|--|------------------------|-------------------------------------|-------------------------------------|
| 14. Total Miscellaneous Revenue * Enter all other types of revenue not reportable above. | Total \$0.00 | Total \$0.00 | Total \$0.00 |
| a. Total Miscellaneous Revenue: | \$0.00 | <input type="text" value="\$0.00"/> | <input type="text" value="\$0.00"/> |

| | | | |
|---|------------------------------------|-----------------------------------|-----------------------------------|
| Total Income From All Activities : | 2021 budget \$124,500.00 | 2021 Actual \$97,700.22 | 2022 budget \$80,090.00 |
|---|------------------------------------|-----------------------------------|-----------------------------------|

Please explain the difference between actual and budget figures *

The Pandemic continued to impact Division's activities. A new IPG grant for CSL outreach was submitted and received. The CANN subdivision received \$10,200 in donations in 2021 which was a 29% decrease. Membership dues and allocations were increased by 50% due to the onetime ACS allocation. The Division's online workshops were not as successful as expected due to the tiredness of Zoom participation. The workshops for graduate students were very successful due to their low cost and the need to share safety expertise. Also, the Division received a non-meeting grant in the amount of \$5000.00 to support graduate student learning. Investment income did show a positive impact of 45% over budget.

Expenses

| | | | |
|---|-----------------------------|-----------------------------|-----------------------------|
| 1. Contributions * Report grants and awards to individuals or organizations. Also include scholarships, fellowships and research grants to individuals. | Total \$20,000.00 | Total \$18,441.14 | Total \$24,000.00 |
| a. Meeting Grants and Awards | \$10,000.00 | \$7,590.37 | \$8,000.00 |
| b. Non-Meeting Grants and Awards | \$10,000.00 | \$10,850.77 | \$16,000.00 |
| c. Donations and Other Contributions | \$0.00 | \$0.00 | \$0.00 |

| | | | |
|--|------------------------|------------------------|------------------------|
| 2. Benefits paid to or for Members * Payments made by the organization to provide benefits to members. | Total \$0.00 | Total \$0.00 | Total \$0.00 |
| a. Total Benefits paid to or for Members | \$0.00 | \$0.00 | \$0.00 |

| | | | |
|---|------------------------|------------------------|------------------------|
| 3. Salary, other Compensation, Employee Benefits * Compensation includes all forms of income and other benefits earned or received in return for services rendered including pension plan contributions and other benefits, but does not include non-compensatory expense reimbursements or allowances. | Total \$0.00 | Total \$0.00 | Total \$0.00 |
| a. Compensation of Current Officer/Directors/Trustees/Key Employees | \$0.00 | \$0.00 | \$0.00 |
| b. Other Compensation Including to Disqualified Persons | \$0.00 | \$0.00 | \$0.00 |
| c. Other Salary and Wages | \$0.00 | \$0.00 | \$0.00 |
| d. Pension Plans Contributions (Including section 401(k) and section 403(b) employer contributions) | \$0.00 | \$0.00 | \$0.00 |

| | | | |
|----------------------------|--------|--------|--------|
| e. Other Employee Benefits | \$0.00 | \$0.00 | \$0.00 |
| f. Payroll Taxes | \$0.00 | \$0.00 | \$0.00 |

| | | | |
|---|-----------------------------|----------------------------|----------------------------|
| 4. National Meeting Expenses * Include speaker travel costs, special program costs, costs of experimental programs to improve meetings, guest registrations, on-site division expenses, costs of unique equipment for special presentations, etc. | Total \$10,000.00 | Total \$1,319.00 | Total \$8,000.00 |
| a. Speaker Fees and per Diem | \$0.00 | \$0.00 | \$0.00 |
| b. Guest Registration | \$3,000.00 | \$922.00 | \$3,000.00 |
| c. Speaker Breakfast/Lunch/Dinner | \$0.00 | \$0.00 | \$0.00 |
| d. Other Speaker Costs | \$0.00 | \$0.00 | \$0.00 |
| e. Planning Expenses | \$0.00 | \$0.00 | \$0.00 |
| f. Social Events | \$5,000.00 | \$0.00 | \$4,000.00 |
| g. Audio/Visual Equipment | \$0.00 | \$0.00 | \$0.00 |
| h. Other | \$2,000.00 | \$397.00 | \$1,000.00 |

| | | | |
|---|--------------------------|----------------------------|----------------------------|
| 5. Investment Expenses * Include service fees, bank charges, etc. | Total \$825.00 | Total \$1,326.66 | Total \$1,200.00 |
| a. Total Investment Expenses | \$825.00 | \$1,326.66 | \$1,200.00 |

| | | | |
|--|------------------------|------------------------|------------------------|
| 6. Expenses from Self-Sustaining Activities * Include activities which are normally expected to be self-supporting and usually take place outside of the ACS national meetings | Total \$0.00 | Total \$0.00 | Total \$0.00 |
| a. Total Expenses from Self-Sustaining Activities: | \$0.00 | \$0.00 | \$0.00 |

| | | | |
|---|----------------------------|------------------------|------------------------|
| 7. Publications Expenses * Include expenses for newsletters, ballots, membership directories, preprints, reprints, proceedings, and any other special publications. | Total \$1,100.00 | Total \$0.00 | Total \$0.00 |
| a. Membership Directories - printing | \$0.00 | \$0.00 | \$0.00 |
| b. Newsletter/Ballots - printing | \$1,000.00 | \$0.00 | \$0.00 |
| c. Abstract Seperates - printing included with Newsletter | \$0.00 | \$0.00 | \$0.00 |
| d. Preprints/Reprints - printing | \$0.00 | \$0.00 | \$0.00 |
| e. Postages and Shipping | \$100.00 | \$0.00 | \$0.00 |
| f.Other | \$0.00 | \$0.00 | \$0.00 |

| | | | |
|---|-----------------------------|-----------------------------|-----------------------------|
| 8. Conferences/WorkShops/Meetings * Expenses from specialty meetings sponsored or cosponsored by divisions. Also include fees associated with Secretariats, Division Officer's Caucus, etc. | Total \$20,000.00 | Total \$10,719.73 | Total \$15,000.00 |
| a. Inter-Divisional Activities | \$0.00 | \$0.00 | \$0.00 |
| b. Other Activities | \$20,000.00 | \$10,719.73 | \$15,000.00 |

| | | | |
|--|-----------------------------|----------------------------|-----------------------------|
| 9. Administrative * Include secretarial expenses (stationery, postage, and telephone), councilor travel, and officer travel. Include salaries and general overhead in administrative expenses. | Total \$13,000.00 | Total \$2,962.15 | Total \$13,000.00 |
| a. Officers | \$3,500.00 | \$1,418.81 | \$10,000.00 |
| b. Committees | \$3,500.00 | \$0.00 | \$0.00 |
| c. Councillors | \$3,000.00 | \$0.00 | \$2,000.00 |
| d. National Meeting Travel/Meals | \$0.00 | \$0.00 | \$0.00 |
| e. Communications (postages,telephone,etc) | \$1,000.00 | \$436.92 | \$500.00 |
| f.DLC/P2C2 Expenses | \$1,000.00 | \$225.00 | \$0.00 |

| | | | |
|-----------------------------------|------------|----------|----------|
| g. Office Supplies and Operations | \$1,000.00 | \$881.42 | \$500.00 |
|-----------------------------------|------------|----------|----------|

| | | | |
|--|----------------------------|----------------------------|-----------------------------|
| 10. Other Expenses * Itemize under other expenses those that do not seem to fit in one of the categories listed above. | Total \$8,000.00 | Total \$5,725.81 | Total \$18,000.00 |
| a. Total Other Expenses | \$8,000.00 | \$5,725.81 | \$18,000.00 |

| | | | |
|-------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Total Expenses : | 2021 budget \$72,925.00 | 2021 Actual \$40,494.49 | 2022 budget \$79,200.00 |
|-------------------------|-----------------------------------|-----------------------------------|-----------------------------------|

| | | | |
|---------------------------------------|-----------------------------------|-----------------------------------|--------------------------------|
| Gain (Loss) Operating Account: | 2021 budget \$51,575.00 | 2021 Actual \$57,205.73 | 2022 budget \$890.00 |
|---------------------------------------|-----------------------------------|-----------------------------------|--------------------------------|

Please explain the difference between actual and budget figures *

The pandemic continued to provide the opportunity to save on expenses in 2021. The IPG grant for RAMP was completed and the Strategic planning grant continues to be on hold. Expenses on national meeting expenses were reduced by 87% since travel was still restricted. Workshop/ Conference expenses were reduced by 54% due to limited participation.

Investment

| | | |
|---|-------------------------------|-------------------------|
| <i>Part C. Investments and Other Assets</i> | <i>Beginning of year 2021</i> | <i>End of year 2021</i> |
|---|-------------------------------|-------------------------|

| | | |
|---|--------------------|------------------------------|
| 1. Investments & Assets (Unrestricted) * | Total \$ | Total \$359,853.69 |
| a. Checking | \$ | \$212,445.41 |
| b. Saving | \$ | \$147,408.28 |
| c. Other | \$ | \$0.00 |

| | | |
|---|--------------------|------------------------|
| 2. Restricted Investment Funds * | Total \$ | Total \$0.00 |
| a. Total Restricted Investment Funds: | \$ | \$0.00 |

| | | |
|--|--------------------------|------------------------------------|
| Total Investments and Other Assets: | 2021 budget \$ | 2021 Actual \$359,853.00 |
|--|--------------------------|------------------------------------|

3. Which Form 990 did your technical division file with the IRS for the Previous Tax Year?

- ☐ Form 990-N (Electronic Postcard)
☒ Form 990-EZ
☐ Form 990

4. What is your technical division's Employment Identification Number (EIN)? *

52-1124367

5. Does your organization want to continue to be included under the umbrella of the American Chemical Society's Group Exemption Letter? *

- ☒ Yes
☐ No

After the submission of its Annual Report, each technical division must request its annual allotment per the ACS Bylaws.

6. The technical division requests their annual allotment.

- ☒ Yes
☐ No

Summary

Part D - Summary from Parts A, B, and C 2021 budget

Operating Account Income (Part A) \$97,700.22

Assets and Investments (Part C) \$359,853.00

**Operating Account Expenditures
Commitments or Liabilities (Part B)**

\$40,494.49

Supporting Material

| Brief Description | File Name | File Size | Date Uploaded |
|-------------------|-----------|-----------|---------------|
|-------------------|-----------|-----------|---------------|

Division of Chemical Health & Safety

Profit and Loss

January 1 - March 3, 2022

| | TOTAL |
|---|---------------------|
| Income | |
| Total Income | |
| GROSS PROFIT | \$0.00 |
| Expenses | |
| B6 CONF/WORKSHOPS/MEETINGS EXP | |
| B6B14 Grad Student RAMP instructor fee | 400.00 |
| Total B6 CONF/WORKSHOPS/MEETINGS EXP | 400.00 |
| B7 ADMINISTRATIVE | |
| B7G SUPPLIES & OPERATIONS (9G) | 40.00 |
| Total B7 ADMINISTRATIVE | 40.00 |
| B8 OTHER EXP (9G) | |
| B8B ACCOUNTING EXPENSES | 34.94 |
| Total B8 OTHER EXP (9G) | 34.94 |
| B9 CANNABIS SUBDIV EXP | |
| B9A5 CANN ADMIN & POSTAGE | |
| B9A51 Zoom Account | 109.98 |
| B9A52 Web - G Suite | 885.36 |
| Total B9A5 CANN ADMIN & POSTAGE | 995.34 |
| Total B9 CANNABIS SUBDIV EXP | 995.34 |
| Total Expenses | \$1,470.28 |
| NET OPERATING INCOME | \$ -1,470.28 |
| NET INCOME | \$ -1,470.28 |

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 | 54,000.00 |
| 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 |
| Total A1F2 DONATION CANN SUBDIVISION | 140,302.12 |
| Total A1F DONATIONS | 140,302.12 |
| Total A1 CONTRIBUTIONS | 140,302.12 |
| Total Income | \$140,302.12 |
| GROSS PROFIT | \$140,302.12 |
| Expenses | |
| B9 CANNABIS SUBDIV EXP | 9,215.23 |
| B9A1 Advertising/Promotional | 21,318.72 |
| B9A1a Fall 2020 ACS meeting | 1,860.00 |
| Total B9A1 Advertising/Promotional | 23,178.72 |
| B9A2 Heidolph North America scholarship | 22,483.91 |
| B9A3 Perkin-Elmer CANN expenses | 3,040.00 |
| B9A5 CANN ADMIN & POSTAGE | 4,755.27 |
| B9A51 Zoom Account | 1,305.87 |
| B9A52 Web - G Suite | 3,600.59 |
| Total B9A5 CANN ADMIN & POSTAGE | 9,661.73 |
| 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 |
| Total B9 CANNABIS SUBDIV EXP | 82,841.22 |
| Total Expenses | \$82,841.22 |
| NET OPERATING INCOME | \$57,460.90 |
| NET INCOME | \$57,460.90 |

Division of Chemical Health & Safety

CANN P&L

January 1 - March 3, 2022

| | TOTAL |
|--|-------------------|
| Income | |
| Total Income | |
| GROSS PROFIT | \$0.00 |
| Expenses | |
| B9 CANNABIS SUBDIV EXP | |
| B9A5 CANN ADMIN & POSTAGE | |
| B9A51 Zoom Account | 109.98 |
| B9A52 Web - G Suite | 885.36 |
| Total B9A5 CANN ADMIN & POSTAGE | 995.34 |
| Total B9 CANNABIS SUBDIV EXP | 995.34 |
| Total Expenses | \$995.34 |
| NET OPERATING INCOME | \$ -995.34 |
| NET INCOME | \$ -995.34 |

Division of Chemical Health & Safety

Profit and Loss

January - December 2021

| | TOTAL |
|---|--------------------|
| Income | |
| A1 CONTRIBUTIONS | |
| A1C NON-MEETING GRANTS | |
| A1C1 ACS Grant to Grad Students | 5,000.00 |
| Total A1C NON-MEETING GRANTS | 5,000.00 |
| A1E INNOVATIVE PROJECT FUNDING | |
| A1E12 CSL Out Reach | 7,500.00 |
| Total A1E INNOVATIVE PROJECT FUNDING | 7,500.00 |
| A1F DONATIONS | |
| A1F2 DONATION CANN SUBDIVISION | 200.00 |
| A1F2A Heidolph North America | 10,000.00 |
| Total A1F2 DONATION CANN SUBDIVISION | 10,200.00 |
| A1F3 AMAZON Smile | 191.70 |
| Total A1F DONATIONS | 10,391.70 |
| A1G OTHER CONTRIBUTIONS | 4,078.00 |
| A1G1 Safety Stratus Award | 1,500.00 |
| Total A1G OTHER CONTRIBUTIONS | 5,578.00 |
| A1I REBATE FROM ACS | 15.00 |
| Total A1 CONTRIBUTIONS | 28,484.70 |
| A4 CONF/WORKSHOPS/MEETINGS | |
| A4A WORKSHOPS | |
| A4A1 CHO WORKSHOP | 5,243.28 |
| A4A10 GRAD STUDENT SAFETY WRKSHP | 3,343.90 |
| A4A14 Grad Student RAMP workshop | 857.20 |
| A4A3 HAZWASTE WORKSHOP | 3,521.64 |
| A4A5 REACTIVES WORKSHOP | 1,200.00 |
| Total A4A WORKSHOPS | 14,166.02 |
| A4A13 Writing Safety Statements | 1,800.00 |
| Total A4 CONF/WORKSHOPS/MEETINGS | 15,966.02 |
| A5 DUES & ASSESSMENTS | |
| A5A ACS DUES - JAN - JUNE | 5,713.00 |
| A5B ACS DUES - JULY - DEC | 8,233.50 |
| A5C PAID DIRECT TO DivCHAS | 75.00 |
| A5D ANNUAL ALLOCATION FROM ACS | 26,178.13 |
| Total A5 DUES & ASSESSMENTS | 40,199.63 |
| C3 UNREALIZED GAIN/LOSS MUTUAL | 13,049.87 |
| Total Income | \$97,700.22 |
| GROSS PROFIT | \$97,700.22 |

Division of Chemical Health & Safety

Profit and Loss

January - December 2021

| | TOTAL |
|--|------------------|
| 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 | 595.68 |
| B1A6 Regional Meetings | 1,000.00 |
| B1A8 Grad Student Safety Leadership Award | 4,494.69 |
| Total B1A MEETING GRANTS/AWARDS | 7,590.37 |
| B1B INNOVATIVE FUNDING EXPENSE | |
| B1B11 RAMP_ORGANIC_2018 | 5,959.14 |
| Total B1B INNOVATIVE FUNDING EXPENSE | 5,959.14 |
| Total B1 CONTRIBUTIONS EXP. | 13,549.51 |
| B2 NATIONAL MEETING EXPENSES | |
| B2A3 Other Miscellaneous Service Cost | 397.00 |
| B2E PLANNING EXPENSES | |
| B2E1 EXEC. COMM. MEETING | 1,418.81 |
| Total B2E PLANNING EXPENSES | 1,418.81 |
| B2H OTHER NATIONAL MEETING EXP | 98.00 |
| Total B2 NATIONAL MEETING EXPENSES | 1,913.81 |
| B5 PUBLICATION EXPENSES | |
| B5E POSTAGE & SHIPPING | 27.00 |
| B5E1 POSTAGE | 8.76 |
| Total B5E POSTAGE & SHIPPING | 35.76 |
| Total B5 PUBLICATION EXPENSES | 35.76 |
| B6 CONF/WORKSHOPS/MEETINGS EXP | |
| B6B OTHER | |
| B6B2 CHO WORKSHOP | |
| B6B2c CHO MANUALS, etc. | 360.00 |
| B6B2d CHO Profit Sharing | 2,607.54 |
| Total B6B2 CHO WORKSHOP | 2,967.54 |
| B6B3 HAZARDOUS WASTE WORKSHOP EXP | |
| B6B3d LAB WASTE Profit Sharing | 1,716.72 |
| Total B6B3 HAZARDOUS WASTE WORKSHOP EXP | 1,716.72 |
| B6B6 GRADUATE STUDENT SAFETY WORKSHOP | 809.54 |
| B6B6a GRAD STUDENT INSTRUCTOR FEE | 2,465.86 |
| B6B6b GRAD STUDENT INSTR EXP | 175.00 |
| Total B6B6 GRADUATE STUDENT SAFETY WORKSHOP | 3,450.40 |
| B6B7 Reactives Workshop | |
| B6B7d REACTIVES PROFIT SHARING | 600.00 |

Division of Chemical Health & Safety

Profit and Loss

January - December 2021

| | TOTAL |
|---|--------------------|
| Total B6B7 Reactives Workshop | 600.00 |
| Total B6B OTHER | 8,734.66 |
| B6B13 Safety Writing statement | 860.07 |
| B6B14 Grad Student RAMP instructor fee | 400.00 |
| B6F Refund for workshops | 725.00 |
| Total B6 CONF/WORKSHOPS/MEETINGS EXP | 10,719.73 |
| B7 ADMINISTRATIVE | |
| B7F DLC/P2C2 CONF EXP | |
| B7F2 web page feedback | 225.00 |
| Total B7F DLC/P2C2 CONF EXP | 225.00 |
| B7G SUPPLIES & OPERATIONS (9G) | 881.42 |
| Total B7 ADMINISTRATIVE | 1,106.42 |
| B8 OTHER EXP (9G) | |
| B8A CREDIT CARD PROCESSING | 294.75 |
| B8B ACCOUNTING EXPENSES | 1,031.91 |
| Total B8 OTHER EXP (9G) | 1,326.66 |
| B9 CANNABIS SUBDIV EXP | |
| B9A1 Advertising/Promotional | 2,895.10 |
| B9A1b Spring 2021 meeting | 824.00 |
| Total B9A1 Advertising/Promotional | 3,719.10 |
| B9A2 Heidolph North America scholarship | 4,891.63 |
| B9A5 CANN ADMIN & POSTAGE | 401.16 |
| B9A51 Zoom Account | 723.09 |
| B9A52 Web - G Suite | 2,107.62 |
| Total B9A5 CANN ADMIN & POSTAGE | 3,231.87 |
| Total B9 CANNABIS SUBDIV EXP | 11,842.60 |
| Total Expenses | \$40,494.49 |
| NET OPERATING INCOME | \$57,205.73 |
| NET INCOME | \$57,205.73 |

Division of Chemical Health & Safety

CANN P&L

January - December 2021

| | TOTAL |
|---|--------------------|
| Income | |
| A1 CONTRIBUTIONS | |
| A1F DONATIONS | |
| A1F2 DONATION CANN SUBDIVISION | 200.00 |
| A1F2A Heidolph North America | 10,000.00 |
| Total A1F2 DONATION CANN SUBDIVISION | 10,200.00 |
| Total A1F DONATIONS | 10,200.00 |
| Total A1 CONTRIBUTIONS | 10,200.00 |
| Total Income | \$10,200.00 |
| GROSS PROFIT | \$10,200.00 |
| Expenses | |
| B9 CANNABIS SUBDIV EXP | |
| B9A1 Advertising/Promotional | 2,895.10 |
| B9A2 Heidolph North America scholarship | 4,891.63 |
| B9A5 CANN ADMIN & POSTAGE | 401.16 |
| B9A51 Zoom Account | 723.09 |
| B9A52 Web - G Suite | 2,107.62 |
| Total B9A5 CANN ADMIN & POSTAGE | 3,231.87 |
| Total B9 CANNABIS SUBDIV EXP | 11,018.60 |
| Total Expenses | \$11,018.60 |
| NET OPERATING INCOME | \$ -818.60 |
| NET INCOME | \$ -818.60 |

Chair-Elect Report Spring 2022 National Meeting San Diego, CA

2022-02-23

[Audit Committee report](#)

On 2022-02-22, the Chair, the Immediate Past Chair, and I met with the Treasurer as the Audit Committee. Note that the meeting did not constitute a full audit in the regular accounting sense but was merely a review of the Division's financial position and current account statements. The review consisted of:

- The CHAS Balance Sheet and Profit and Lost Statement.
- The CANN Profit and Lost Statement for 2021 and since CANN became a subdivision.
- The 2021 ACS Divisional financial report as submitted;
- Three months of Division checking account statements (Bank of America);
- The 4Q2021 managed investment account statement (TIAA; listed as "Savings" on the Division's accounts);
- Discussion of the 2021 tax return and filing method;
- Future financial concerns.

The Division is currently carrying more than 2 years cash in the checking account, a very conservative reserve. This is partially because of the anticipated need to separate the finances of the CANN subdivision as they seek recognition as a full ACS Division; it was noted that this should take place at the end of a fiscal year to avoid potential for errors and extra expense to the Division.

We noted that the checking account was approaching the \$250,000 limit (per institution, per accountholder) for FDIC insurance coverage of the checking account, but it was decided that the limit would not be exceeded in the immediate future. We also noted that the checking account does not bear interest, and that perhaps moving some of the reserve into a safe cash-equivalent investment such as 2- or 5- year Treasury bonds might be appropriate. The Treasurer recommended that \$30,000 be moved to the managed investment account. The group approved the recommendation.

[Tax filings for 2021](#)

It is necessary for the Division to electronically file 2021 taxes because of new IRS requirements. There is no free software or web application to accomplish this, so it was decided to use Intuit, the maker of the QuickBooks software currently used for accounting, to file the taxes, for a reasonable fee.

Workshop financial models

The Audit Committee also informally discussed the harmonization of financial models for the various educational offerings of the Division. The sense of the committee was that there should be a consistent set of procedures. The Chair and the Chair-Elect will take the issue forward, consulting with the EC and relevant stakeholders; the issue will also become input for the strategic planning process.

Respectfully submitted,

Daniel R. Kuespert, PhD, CSP

CHAS Chair-Elect 2022

**Cannabis Chemistry Subdivision of the Division of Chemical Health and Safety of
the American Chemical Society**

National Meeting Report

Spring 2022, In-person & Virtual - 263rd ACS National Meeting

I. CANN Executive Committee

Chair

Julia Bramante

chair@cann-accs.org

Chair Elect

Kyle Boyar

chair-elect@cann-accs.org

Past Chair

Andrew Pham, MS

publication@cann-accs.org

Secretary

Melissa Wilcox

secretary@cann-accs.org

Awards Committee Chair

Michael Coffin

awards@cann-accs.org

Chinese Section Chair

Hang Ma, PhD

chinese_section@cann-accs.org

Development Committee Chair

Ezra Pryor

giving@cann-accs.org

CANN Executive Committee, Continued:

Membership Committee Chair

Brandon Canfield, PhD

membership@cann-acs.org

Member-at-Large

Bryant Jones

jone3608@umn.edu

Programming Committee Chair

Amber Wise, PhD

programming@cann-acs.org

Publication Committee Chair

Andrew Pham, MS

publication@cann-acs.org

Public Relations Committee Chair

Brittaney Dowd

pr@cann-acs.org

Senior Advisory Committee Chair

Russ Phifer

rphifer@wcenvironmental.com

II. Words from the Chair - Julia Bramante

CANN Vision & Mission

❖ Vision

Serving as a pillar of legitimacy for the cannabis enterprise through promoting scientific advancement and empowering community

❖ Mission

Advancing the cannabis chemistry enterprise by driving scientific innovation and integrity

CANN Officers (2021-2023)

- ❖ Chair - Julia Bramante
- ❖ Chair Elect - Kyle Boyar
- ❖ Secretary - Melissa Wilcox
- ❖ Treasurer - Mary Beth Koza
- ❖ [Officers Webpage](#)

Overview & Initiatives

Thanks to the support of CANN's dedicated Executive Committee, volunteers, and membership, as well as the support of ACS, sponsors, and external partners, CANN continues to make progress toward its mission, vision, and overarching goal of becoming a division. This has required adaptability and perseverance through the challenges brought on by the pandemic and many other historic events.

Highlights of accomplishments and near future initiatives include:

- ❖ National Registry of Certified Chemists - Professional Cannabis Chemist Certification
- ❖ CANN website: cann-accs.org
- ❖ ElSohly Award Winners 2022
- ❖ A full programming schedule for ACS National Meetings in 2022
- ❖ Proceedings publication with the Cannabis & Cannabinoid Research Journal
- ❖ Newsletters
- ❖ Routine Journal Club Sessions

Words from the Chair, Continued:

CANN plans to apply to become an ACS Technical Division in 2022, as supported by the senior advisors of its parent division (the Division of Chemical Health and Safety), ongoing strategic planning, and CANN historical recount meetings. As such, CANN looks forward to continuing along the path set by its initiatives, values, and goals to best serve its many communities and the overarching cannabis enterprise.

III. Treasurer Report - Mary Beth Koza

CANN Profit and Loss Summary - All Dates (2017-2021)

- ❖ Gross Income: \$140,302.12
- ❖ Expenses: \$82,841.22
- ❖ Net Income: \$57,460.90

IV. Committee Reports

Awards Committee Report - Chair: Michael Coffin

Overview

In the year 2022, CANN Awards Committee is proud to present its 5th cohort of ElSohly Awardees. Additionally, CANN has continued to work on developing a new BIPOC focused award. CANN is also pleased to have the Award's namesake Mahmoud ElSohly, PhD delivering the opening remarks at the symposium.

Awards Committee has also developed its [Awards Committee Webpage](#) to improve upon communications and information distribution for award related items.

ElSohly Award

The ElSohly Award provides researchers, students, and industry professionals with resources to present their work at the ElSohly Award Symposium at the Spring National Meeting of the American Chemical Society. The first award of its kind, this award seeks to recognize leading cannabis scientists while also defraying the cost associated with presenting scientific works at the National Meeting, providing a maximum of \$1500 per awardee.

Awards Committee Report, Continued:

2022 ElSohly Award

The ElSohly Award received a total of seven applicants for its 2022 cohort. The applications were disseminated to all of the Selection Committee members prior to voting which commenced on August 28th and concluded on September 12th. After tabulating the final scores, the Administrative Committee has chosen three recipients for this year's award, who will present their work at the upcoming ACS Spring 2022 National Meeting. A press release for the award can be found [here](#).

The 2022 ElSohly Award winners are:

❖ Aditi Das, PhD



Dr. Aditi Das holds a PhD in Chemistry from Princeton University and is an Associate Professor at University of Illinois Urbana Champaign. She will be presenting "Minor Phytocannabinoid Metabolism by Cytochrome P450s" for the Award Symposium.

❖ Federica Pellati, PhD



Dr. Federica Pellati holds a PhD in Pharmaceutical Sciences from the University of Modena and Reggio Emilia, Italy where she is currently an Associate Professor of Medicinal Chemistry. Her presentation at the Award Symposium will be “Scientific evidence on the role of Cannabis sativa L. and its non-psychoactive compounds against human chronic diseases”

❖ Roman Sarrott, PhD



Dr. Roman Sarrott is a Postdoctoral Fellow at Stanford with a Ph.D. in Chemistry from ETH Zürich. He will be presenting “Fluorescent and photoswitchable probes for targeted study of cannabinoid receptors” at the Award Symposium.

Awards Committee Report, Continued:

2023 ElSohly Award

CANN is currently soliciting applications for the forthcoming ElSohly Award recipients, with applications due July 1st, 2022.

Initiatives 2022

The Awards Committee will continue its efforts with the ElSohly Award, and is excited for the establishment of its developing diversity focused award, for which CANN has completed the award prospectus and is at the stage of seeking funding.

Development Committee Report - Chair: Ezra Pryor

Overview

In the evolving landscape brought by the pandemic, the Development Committee has worked in 2021 to adjust its framework of donations and donor benefits to better align with predominantly virtual means of interaction. The [Development Committee Webpage](#) also provides general information and a call for donations and volunteers.

CANN is ecstatic to announce that it established the following donors for the year 2021:

Donors:

- ❖ Heidolph North America - \$10,000

Membership Donations 2021:

- ❖ Total - \$200

Initiatives 2022

The Development Committee has developed a personal donation framework to complement the current corporate focused donation framework. The committee also met its aim to begin implementing personal donations in the fall of 2020, and recently formulated a letter of intent template to solicit donations from members and corporate stakeholders.

CANN is still working to create and manufacture merchandise to provide as gifts to personal donors and its membership overall with the aim to continue to increase personal donations while engaging with its membership and network.

Membership Committee Report - Chair: Brandon Canfield, PhD

2022 Membership Summary

As of January 2022, CANN's membership stands at 592. While this is a minor setback in membership growth for CANN, it has highlighted some new areas of focus within our subdivision to gain and retain members. Particularly, this has motivated CANN to embolden efforts toward early career professionals and student engagement. Additionally, Membership Committee Chair Brandon Canfield has created automated emailing systems for new members and membership expiration/renewal notification letters to improve communication with CANN's membership.

Newsletters

Led by Nick Mulder, CANN has continued to provide newsletters to its membership, which are distributed via email to its members, and are also hosted on CANN's website:

❖ [Newsletters](#)

| PAGE | CONTENTS |
|---------|--------------------------------------|
| 4 | Words from the Chair |
| 5 | Volunteer Opportunities |
| 6 - 7 | Programming Outlook |
| 8 | Membership Report |
| 9 | Awards Committee Report |
| 10 - 13 | Publication Committee & Journal Club |
| 14 - 16 | Spring 2021 ACS National Meeting |
| 17 - 19 | Fall 2021 ACS National Meeting |
| 20 | Sponsors |
| 21 - 22 | Officers |
| 23 - 24 | Sponsorship Information |



CANN
Cannabis Meets Chemistry
The Cannabis Chemistry Subdivision of the American Chemical Society

Website

CANN offers two main web pages that are both member centric. The Members landing page is a home for recruitment of new members and resources for current members. This was established with the intent of continual development as CANN works to implement membership portals and other features exclusive to its membership. The Members page also features “member highlights” to highlight CANN’s amazing members and all that they have accomplished. The Membership Committee web page additionally serves to provide committee specific information and resources.

- ❖ [Members Landing Page](#) - Membership recruitment and resources
- ❖ [Membership Committee Webpage](#) - Committee information and resources

Initiatives 2022

CANN continues its focus in 2022 on optimizing its systems to support membership recruitment, retention, and management through efforts such as continuing the CANN quarterly newsletter, member benefit development, and consistent, automated membership communications.

Some of the committee’s specific goals to meet these initiatives are:

- ❖ CANN Member Forum development and implementation
- ❖ New member letters
- ❖ Membership expiring letters
- ❖ Job Board

Additionally, CANN has developed a cannabis careers presentation that provides students with various pathways towards a career in cannabis science. CANN EC members have several dates scheduled for this new presentation beginning in spring of 2022.

Programming Committee Report - Chair: Amber Wise, PhD

Overview and Initiatives

CANN continues to drive its goal of growing networking partnerships with other divisions, local sections, and regional meetings to increase outreach, co-sponsorship, and attendance of related technical symposia, as evidenced by the below programming outline for the year 2022.

Administrative Updates

CANN's Programming Chair has maintained two guidance documents to help streamline Programming Committee roles and the abstract submission process, as well as maintained the Programming Committee Webpage:

- ❖ [Programming Committee Roles and Functions](#)
- ❖ [Abstract Submission and Symposia Participation Guidelines for Participants](#)
- ❖ [Programming Committee Webpage](#)

Programming Committee Report, Continued:

2022 National Meeting Programming Summary

Spring 2022 ACS National Meeting - San Diego, CA

Technical Sessions (hybrid in-person and virtual):

- ❖ Cannabinoid Conversions: Chemistry and Commerce - CHAS 007A

9 Oral Presentations

Date: Wednesday, March 23rd, 2022

Time: 8:00 AM - 10:00 AM; 2:00 PM - 4:25 PM

Location: Sapphire E/F (Hilton San Diego Bayfront)

- ❖ The 2022 ElSohly Award Symposium - CHAS 006A

Keynote Address & 3 Oral Presentations

Date: Wednesday, March 23rd, 2022

Time: 10:15 AM - 12:00 PM

Location: Sapphire E/F (Hilton San Diego Bayfront)

- ❖ Sci-Mix Poster Session

3 Posters submitted

Date: Monday, March 21st, 2022

Time: 8:00 PM - 10:00 PM

Location: Exhibit Hall CD (San Diego Convention Center)

Programming Committee Report, Continued:

Fall 2022 ACS National Meeting, Chicago, IL

- ❖ 2 sessions planned (see below graphic for details)
 - ❖ Latest Developments in Cannabis Science and Sustainability
 - ❖ Blazing trails: Cannabis Chemistry in Post-secondary Education

Abstract Submissions Open!

American Chemical Society Fall 2022 National Meeting !
The Cannabis Chemistry Subdivision of CHAS at ACS

Chicago, IL Aug. 21-25th 2022

Hybrid format (in-person and virtual attendance available).

Accepting Abstracts until March 14th

△ **Blazing Trails: Cannabis Chemistry in Post-secondary Education**
Highlighting various educational programs and methods being developed and offered.

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



Publication Committee Report - Chair: Andrew Pham, MS

Overview

Publication Committee has maintained its proceedings publication, releasing its first ACS Publication in conjunction with ACS Chemical Health and Safety in January of 2021. Additionally, Journal Club Sessions have continued to air monthly with consistent attendance. Publication Committee withstands its initiative to launch an open access peer reviewed journal focused on cannabis chemistry. Publication Committee has also expanded its website presence with its new [Publication Committee Webpage](#).

Proceedings Publication

Spring & Fall 2021 Proceedings

- ❖ CANN is currently in discussions with Cannabis and Cannabinoid Research (C&CR) to publish CANN's proceedings from both Spring and Fall 2021 meetings. The publication is being overseen by guest editor and 2022 ElSohly Award recipient, Federica Pellati, PhD.

Journal Club

Journal Club is held via an online webinar format and hosts some of the industry's most prominent experts in cannabis chemistry and affiliated fields. Each session includes an academic presentation on a peer reviewed paper or hot topic followed by a live Q&A session moderated by a member of the Publication Committee. The Q&A session provides a platform for audience members from all walks of life to actively engage with and learn from leading cannabis scientists. See below for highlight graphics and links of sessions held throughout 2021:

Publication Committee Report, Continued:

- ❖ June 2021 - Markus Roggen, PhD
“The Roach Isn’t That Bad”

CANN's Journal Club
LIVE WEBINAR
May 27th, 2021 @ 11am PST

Hosted by CANN, the Cannabis Chemistry
Subdivision of the American Chemical Society

Moderated by Kyle Boyar
Followed by Q&A Session



Dr. Markus Roggen

The Roach Isn't That Bad

Cannabis testing focuses on harm reduction, by testing for unwanted pesticides, heavy metals and biological contamination. On one side, cannabinoid levels are precisely measured in the product. Although these final product tests miss one important aspect of cannabis consumption. The actual process of consumption. For inhalable products, like joints and vape cartridges, the dosing of cannabinoids and chemical changes during burning/vaporization are mostly unknown. We have developed a testing platform to quantify cannabinoid and terpene levels on a puff per puff basis. This setup also allows us to screen the aerosol and gas phase for potential toxicants present. We also looked at cannabinoid concentrations puff by puff, how those compare between joints and vapes, and how those levels change over the lifecycle of a product. In this talk we will present our findings from our latest vape and joint experiment and answer the longstanding question: Which part of a joint is the best to smoke?

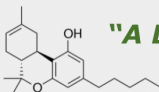
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- ❖ July 2021 - Mark Scialdone, PhD, Richard Sams, PhD, Greg Gerdeman, PhD, Yvonne DePorre, PhD, Chelsie Spencer, JD
“A Delta-8 Discussion”

CANN Journal Club July 29, 2021 11 AM



“A Delta-8 Discussion”

Moderated by Kyle Boyar

The conversion of CBD into Delta-8-THC and other isomers has recently gone mainstream due to the abundance of hemp on the market. There are a number of concerns surrounding its production and questions regarding its legality. This panel discussion will explore the chemistry involved in D8 production, its legality & pharmacology, as well as the various challenges seen when testing D8 products.

SPEAKERS

- ▲ **Mark Scialdone, PhD**
Founder & President, Betterchem Consulting
- ▲ **Greg Gerdeman, PhD**
President and CEO, NASHCX
- ▲ **Richard Sams, PhD**
Scientific Director, KCA Laboratories
- ▲ **Yvonne DePorre, PhD**
Scientific Advisor, Orion GMP
- ▲ **Chelsie Spencer**
Founding Member, Ritter Spencer PLLC

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Publication Committee Report, Continued:

- ❖ September 2021 - Saman Razani
“General Safety Measures for Extraction Facilities and How to Prevent Workplace Incidents”

Hosted by CANN Cannabis Chemistry Subdivision of the American Chemical Society

General Safety Measures for Extraction Facilities and How to Prevent Workplace Incidents

LIVE WEBINAR followed by Q&A
September 30, 2021
11am PST

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Speaker: Saman Razani
moderated by Kyle Boyar

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- ❖ October 2021 - Jenny Nelson, PhD
“Heavy Metals in Cannabis: The Latest Developments in Testing Protocols”

Hosted by CANN Cannabis Chemistry Subdivision of the American Chemical Society

Heavy Metals In Cannabis: The Latest Developments In Testing Protocols

LIVE WEBINAR followed by Q&A
October 28, 2021
11am PST

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Speaker: Jenny Nelson, Ph.D.
moderated by Kyle Boyar


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Publication Committee Report, Continued:

- ❖ November 2021 - Michael Schaftroth, PhD
“Adventures in the Cannabis Field: Surprises and Discoveries with Minor Cannabinoids”



Live Webinar
November 18th, 11 AM PST

Moderated by Kyle Boyar
Followed by Live Q&A Session

**Adventures in the Cannabis Field:
Surprises and Discoveries with Minor Cannabinoids**

Cannabis contains a diverse array of chemical substances, most notably cannabinoids, terpenes, and flavonoids. Research has focused primarily on studying the major cannabinoids, including tetrahydrocannabinol (THC) and cannabidiol (CBD). However, some cannabinoids are only present in small amounts or can only be isolated from specific strains, posing a challenge to isolate and purify them in sufficient amounts for subsequent studies. Chemical synthesis is a powerful tool for preparing minor cannabinoids from Cannabis and other plants and for studying their phytochemistry and pharmacology. In this talk, we will cover our ongoing studies to use chemical synthesis for the identification and pharmacological characterization of understudied cannabinoids from Cannabis and other plants.

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Initiatives 2022

Publication Committee plans to continue its traction with proceedings publication, Journal Club sessions, and investigating new and meaningful opportunities for publication, including but not limited to the establishment of an open access journal covering cannabis science.

Public Relations Committee Report - Chair: Brittany Dowd

Overview

Throughout 2021, Public Relations Committee has optimized and maintained CANN's website:

- ❖ cann-accs.org

The website takes particular care to focus on member experience, implementing design and content elements specifically strategized to provide relevant information to current members and engage potential members and donors.

Administrative Updates

PR Committee Chair Brittany Dowd developed and implemented a guidance document to outline brand and PR operational guidelines for CANN in conjunction with new volunteer onboarding, which has been maintained through the year 2021. Additionally, the PR Committee Webpage is linked below.

- ❖ [CANN Public Relations Committee Guidelines](#)
- ❖ [PR Committee Webpage](#)

Volunteers:

- ❖ Jennifer Verta
- ❖ Yvonne DePorre
- ❖ Joseph Pack

Social Media

Metrics

| Social Media Platform | Followers/Subscribers | Likes |
|-----------------------|-----------------------|-------|
| Instagram | 2,690 | NA |
| Facebook | 2,074 | 1,962 |
| Twitter | 2,283 | NA |
| LinkedIn | 1,777 | NA |
| YouTube | 164 | NA |

Logos, Branding, and Templates

- ❖ Ongoing graphics:
 - o Journal Club
 - o ACS Meeting & Programming Schedule
 - o Event promotion

Community Outreach

University Programs

- ❖ [List of universities offering cannabis chemistry based courses and reach out to involve students in CANN](#)
- ❖ List of BIPOC owned cannabis businesses
- ❖ [Minority programs for cannabis business and research opportunities](#)

Senior Advisory Committee Report - Chair: Russ Phifer

Overview

The CANN Senior Advisors are active members within the Division of Chemical Health and Safety who assist subdivision leadership in steering through ACS policies, procedures, and issues, making recommendations as appropriate. The Senior Advisors anticipate being active participants in the effort for CANN to achieve Probationary Division status in the next year or two.

The group participates in CANN Executive Committee meetings & conference calls on a regular basis. The Senior Advisory Committee consists of:

- ❖ Russ Phifer
- ❖ Harry Elston
- ❖ John Palmer
- ❖ Mary Beth Koza

Cannabis Chemist Certification

Senior Advisory Committee Chair Russ Phifer in conjunction with CANN EC members have developed the framework of a Cannabis Chemist Certification program to provide a professional certification resource for cannabis chemists.

Members of CANN's EC completed writing and reviewing the professional cannabis chemist exam which is now in the final suitability testing phase. CANN plans for its launch in May of 2022.

To oversee and continue the development of the cannabis chemistry certification, CANN Chair Julia Bramante and Chair-Elect Kyle Boyar have been appointed to the Board of the National Registry of Certified Chemists (NRCC).

Programming Committee Report Spring 2022 National Meeting San Diego, CA

For the time being and for the foreseeable future, National meetings will be hybrid – a mix of in-person and virtual attendance and presentations. This allows for increased attendance from international authors and attendees and flexibility as travel restrictions continue to evolve.

The Fall 2021 National Meeting was hybrid – presented both onsite in Atlanta, GA and virtually. CHAS continued with a hybrid approach of both all-virtual and in-person/virtual events. The following symposia were presented at the Fall meeting:

- DCHAS Awards Symposium (Virtual) – 8/22 8-10:05 am and 10:30am- 12:10pm 1210 EST
- Cannabis Aerosols: Safety and Analytics (Hybrid) 8.22 2-4pm
- Designing and operating facilities with safety in mind (Hybrid) 8/22 4:30pm-6:25pm and (virtual) 8/23 10:30am-11:40am
- General Papers (Virtual) 8/23 2-4pm
- Safety Leadership and Diversity (Virtual) 8/23 4:30-6pm and 7-8:20pm
- Moving forward: Lessons learned from pandemics, extreme weather events, fire storms and more (Hybrid) 8/24 2-3:50pm
- Fundamentals in Cannabis Research (Hybrid) 8/24 4:30-6:15 and (virtual) 7-8:50pm

With a theme of “Bonding Through Chemistry,” the Spring 2022 meeting is scheduled for March 20-24 in San Diego, CA. Symposia planned are:

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

At this time, we’re not sure how many presenters will appear in person or virtually. Several social and meal events are planned. In order to register for the meeting, proof of vaccination is required. 100% masking indoors will be enforced.

Looking ahead to Fall 2022 in Chicago: The Call For Papers is currently open with a deadline of 14 March for authors. Organizers will have nearly a month to plan, schedule and continue to enter abstracts. The symposia planned are as follows:

- o Division of Chemical Health and Safety Awards Symposium (Brown/Chance)
- o Safety Across the Chemical Disciplines (Kuespert)
- o Indicators of Success in Laboratory Safety Cultures (Stuart)
- o Division of Chemical Health and Safety General Papers (Decker/Pickel)
- o Division of Chemical Health and Safety General Posters (Decker/Pickel)
- o EHS leadership & diversity (Koza)

We’re currently in conversation with CHAL and SCHB for collaborative programming for 2023. ACS encourages Divisions to collaborate but are aware the current structure doesn’t make it easy. Conversations continue about how to bridge the disconnect.

Monday Session

Inclusive EHS - Both Technical and Cultural Aspects of our Work

02:00pm - 04:20pm

Debbie Decker, Organizer, Presider; Joseph Pickel, Organizer, Presider

Co-sponsor - Nominal CCS: Committee on Chemical Safety

Theme: Diversity, Equity, Inclusion and Respect

2:00-2:05 PM Introductory Remarks

2:05-2:30 PM Value of storytelling to build empathy, awareness, and inclusivity in EHS *Kali Miller*

02:30pm - 02:55 PM Inclusive risk assessment:

Why and how? *Ralph Stuart, CIH, CCHO*

02:55pm - 03:20pm Some thoughts about how to safely accommodate people with disabilities in the laboratory *Debbie Decker, CCHO*

03:20-03:45 PM Job design for the “hidden” disabled professional (OnDemand) *Dr. Daniel R. Kuespert, CSP*

03:45pm - 04:10pm - Discussion of accommodation and advocacy for graduate student researchers *Catherine Wilhelm*

04:10pm - 04:20pm Discussion

***All Technical Sessions will be presented in the Hilton San Diego Bayfront, Sapphire E/F
All times are Pacific time***

A virtual networking room will be provided Monday, March 21 thru Wednesday, March 23 from 1:00 to 1:45 PM. This is a non-hosted opportunity for free-form conversation and networking for whomever calls in.

Division Open Business Meeting

Date: Sunday March. 20, 2022

Time: 10:15 to 11:30 AM

Location: Via Zoom

<https://yale.zoom.us/j/96191338778>

Committee on Chemical Safety

Date: Sunday, March 20, 2022

Time: 8:00-10:00 AM

Location: Via Zoom

Breakfast for those on-site will be provided.

Social Events

→ CHAS Networking Lunch *Hosted by the Division*

Date: Sunday, March 20th

Time: Noon-1:30 PM

Location: Rockin' Baja Lobster – Gaslamp Quarter
310 5th Ave.
San Diego, CA

→ No-Host Happy Hour

Date: Monday, March 21

Time: 5:00-6:30 PM

Location: Altitude: Sky Lounge
Marriott Gaslamp
660 K St. San Diego, CA

→ Industry Affairs Networking Reception ***Co-sponsored with CHAS, SCHB and BMGT***

Date: Monday, March 21

Time: 7:00-8:00 PM

Location: Hilton San Diego Bayfront
Aqua Salon E/F



ACS Spring 2022 *Bonding Through Chemistry* Meeting & Exposition

San Diego, CA

March 20-24, 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 San Diego, March 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.

Tuesday AM Session

General Papers

08:00am - 11:45am

Debbie Decker, Organizer, Presider; Joseph Pickel, Organizer, Presider

08:00am - 08:05am Introductory Remarks

08:05am - 08:30am Safety in shared facilities: Where to start *Kali Miller*

08:30am - 08:55am Remodeling a chemical safety program for function and the future in a university setting *John G Palmer, PhD, Presenter; Douglas Harvey; Malachy Donohue*

08:55am - 09:20am Development of an undergraduate researcher safety policy *Dr. Craig Merlic*

09:20am - 09:45am Development of a risk management (RAMP) workshop rooted in the graduate research experience *Catherine Wilhelm, Presenter; Taysir Bader; Ralph Stuart; Haim Weizman; Whitney R Hess, PhD*

09:45am - 09:55am Intermission

09:55am - 10:20am Transition from the academic laboratory to industrial employment *Javier Grajeda*

10:20am - 10:45am Process safety incident prevention project: An initiative to reduce incidents across Dow laboratories *Tricia Wilson, Presenter; Jessica Nichols; Lori Seiler; Jeff Foisel*

10:45am - 11:10am Emergency planning: Best practices for safety and community engagement *Greg Duncan*

11:10am - 11:35am Fire code hazard class identification applied to MAQ limits *Russell Vernon*

11:35am - 11:45am Discussion

Tuesday PM Session

General Papers

02:00pm - 04:45pm

Debbie Decker, Organizer, Presider; Joseph Pickel, Organizer, Presider

02:00pm - 02:05pm Introductory Remarks

02:05pm - 02:30pm OSHA's lab standard: How to create an effective chemical hygiene plan *Phil Molé*

02:30pm - 02:55pm GHS/HazCom: Maintaining compliance and preparing for future changes *Phil Molé*

02:55pm - 03:20pm Fifty years of critical review papers in chemical toxicology *Roger McClellan*,
03:20pm - 03:30pm Intermission

03:30pm - 03:55pm Got lead? An assessment of lead concentration in cistern water on St. Croix, USVI *Esonica Charles, Presenter; Akilah Hodge; Dazonte Mathurin*

03:55pm - 04:20pm Nanoporous sorbent technology for capturing a wide variety of volatile organic compounds (VOCs) *Dr. Moumita Bhattacharya*

04:20pm - 04:45pm Stability of liquid oxygen under various stressors and the role it plays in emergency situations *Andy Byrnes; Clayton Rawson, Presenter; Eugene Ngai; Merrill Halling*

Wednesday Sessions

Cannabis Chemistry Subdivision Technical Programming

Cannabinoid Conversions: Chemistry and Commerce

08:00am - 10:00am and 2:00 - 4:25pm

Amber Wise, Organizer, Presider

Industry Theme: Bonding Through Chemistry

The 2022 ElSohly Award Symposium Sponsored by Heidolph North America

10:15am - 12:00pm

Kyle Boyar, Organizer, Presider; Michael

Coffin, Organizer, Presider

Theme: Industry

All Technical Sessions will be presented in the Hilton San Diego Bayfront, Sapphire E/F All times are Pacific time

A virtual networking room will be provided Monday, March 21 thru Wednesday, March 23 from 1:00 to 1:45 PM. This is a non-hosted opportunity for free-form conversation and networking for whomever calls in.

**Awards Committee Report
Spring 2022 National Meeting
San Diego, CA**

2022 Award Recipients

The following are this year's award recipients. They have already been notified individually and will be recognized at the CHAS awards symposium in August at the Chicago National Meeting.

Howard Fawcett Award:

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

Susan Silbey

For providing sociological analysis of the challenges and opportunities of EHS oversight in the lab setting, Dr. Sibley's work shines an important perspective on the cultural aspects of a lab safety program, for both its leadership and support staff.

Tillmanns-Skolnik Award:

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

0 Nominations

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

0 Nominations

SafetyStratus College and University Health and Safety Award:

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

1 Finalist – site visit set for March 4/5.

Laboratory Safety Institute Graduate Research Faculty Safety Award:

Graduate-level academic research faculty who demonstrate outstanding commitment to chemical health and safety in their laboratories.

Alexander Miller

For his innovative approach to lab safety at a research group level, including “safety field days” and enhancing synthetic safety culture through co-founding The Safety Net used by synthetic chemists from all over the world.

CHAS Graduate Student Safety Leadership Award:

Graduate student researcher or recent graduate (within 3 years of latest degree) who demonstrates outstanding leadership in the area of chemical health and safety in their laboratory, research group, or department.

Quinton Bruch

For taking on a leadership role as a laboratory safety officer in his research group, his department, and beyond.

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

0 Nominees

In addition, the following students have received

Student Meeting Registration Awards for their CHAS presentations at upcoming national meetings:

0 Applicants as of yet

This award will be given each year to up to two students for each of the two National ACS meetings.

Committee Activities in Progress:

1. Committee initiatives completed or on schedule to be completed:
 - a. Winner notifications (3 of 4 complete)
 - b. Abstract Reminders (Due March 14)
 - c. Various Announcements
2. 2023 Award Nominations
 - a. The nomination period for the 2023 award year is expected to open no later than the end of April 2022
 - b. Brandon Chance will announce the opening of the nomination period by email to the EC and the DCHAS-L list.

Long-Range Planning Report Spring 2022 National Meeting San Diego, CA

ITEM 1: Updates from F21

There were no new items presented at the F21 meeting and therefore no updates to report here.

ITEM 2: Update AI 108

Production of CAAG was moved to the duties of the Immediate Past Chair in 4/21 and therefore we should remove the following from AI 108.

The Programming Committee develops and publishes “CHAS At A Glance” pamphlet for each National meeting, describing the technical program schedule, social events, workshops, and symposia and events of interest to the Membership.

ITEM 3: Question on Nominations & Election Committee (AI 110)

According to our Bylaws, Standing Committees are supposed to have 2 members.

The composition of each Standing Committee shall be at least two Division members, one of whom shall be appointed as chair by the Chair of the Division as mentioned elsewhere in these bylaws.

Technically, I think that they all do (at least nominally) except Nominations and Elections. We might need to rethink that the Immediate Past Chair is the sole person who comes up with the election slate. Right now it just says that the IPC is the Chair of N&E.

Education Program Team Report

Spring 2022 National Meeting

San Diego, CA

The Education Program Team (EPT) is alive and active and promoting a variety of professional development opportunities for CHAS membership. There are a large number of volunteers interested in getting involved with the EPT - great! We are looking for new ideas for interesting programs and need help promoting those that are in the pipeline. I have proposed three “training tracks” for our efforts. These three “training tracks” could be managed under the EPT umbrella. Each is different enough in terms of logistics to separate out from a management perspective, but should be considered part of the overall program.

Full day chemical safety workshops by zoom or in person

Approximately 8 professional workshops about general lab safety and special hazards associated with laboratory operations. Audience is industry and academia. Costs generally about \$300, with presenters splitting net revenues with CHAS.

Specialty webinars, seminars, and workshops

Topics to include safety culture, safety information, and other general safety and safety management topics. May be funded by other ACS sources; revenue splits depending on arrangements with funding sources. Could include programs established through the ACS Safety Office.

Presentations for students, graduate & undergraduate

Topics specifically of interest to the academic community, including those interested in pursuing safety careers and in advancing safety programs at their institutions. Generally presented as webinars of 1-4 hours in length; revenue splits depending on arrangements with funding sources. Could include programs established through or sponsored with the ACS Safety Office. Could also include the ACS Safety Office online eLearning program for promotional purposes.

Regardless of this and any other proposals, the details of how to incorporate EPT into a seamless effort will be discussed as part of the upcoming Strategic Planning session, which should result in changes to the Administrative Manual to reflect both organizational management and any applicable financial procedures.

Respectfully submitted,

Russ Phifer

Educational Program Team

Development Committee Report

Spring 2022 National Meeting

San Diego, CA

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

Development opportunities in 2021 reflected the pandemic-driven challenges experienced in the previous. Although interest in sponsorship is increasing, measured by more frequent communication and soft commitments, it is the return to in-person events that is on the minds of previous, current, and potential donors. In its first full year of operation the Committee efforts have focused on developing workflows necessary for sponsor tracking, continued outreach to known and existing sponsors, establishing priority opportunities for the division, and surveying CHAS members for new opportunities.

New for 2022

Following the most recent call for volunteers I am very pleased to report that the Development Committee will double its membership! Kimi Brown has graciously volunteered to assist with this important committee and I am extremely excited to continue to work with her and I had in her previous role as Awards Chair.

Continued Best Practices:

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

New sponsorship leads

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

Continued sponsorship leads

1. Development will provide regular updates to existing sponsors and encourage increased donations. (*This is dependent on cooperation from CHAS stakeholders)

2. Priority consideration and right of first refusal should be granted to existing sponsors, but funding levels should be adjusted to match actual cost increases
3. New Division priorities will be offered to continued sponsors – “early access opportunity”

6-month Goals for Development Committee

1. Attract and confirm 5 new sponsors
2. Increase giving from current sponsors by 20%
3. Establish CHAS priorities for sponsorship
4. Establish more regular advertisement opportunities for sponsors

Longer term Goals for Development Committee

1. Fully fund the ACS National Award for Achievement in Chemical Safety

Regional Meetings Committee Report

Spring 2022 National Meeting

San Diego, CA

Committee Activity [Jan – Feb 24, 2022]

The committee has been contacted by the Western Regional Meeting for support of a symposium: “What Does Health and Safety Look Like in Your Workplace” . Debbie Decker is the lead for the proposal that is in the approval process at this point.

Typically in February all Regional meeting program and planning chairs are contacted by our committee and proposals are invited.

This invitation will go out shortly and submitted proposals will be considered by the committee and passed to the EC for consideration.

Committee Activity [2021-2022 – from Annual Report]

From - CHAS Regional Meetings – 2021 Annual Report

Due to the limitations for regional meetings this year, the participation in the award program for safety programming in regional meetings was below our typical funding of five programs, each with \$500. This year, we funded two groups with \$500 each. These were very strong programs and will serve as extremely valuable investments in the future of CHAS programming in regional meetings.

A strong component of providing funding for regional meetings has come from the partnership with Marta Gmurczyk’s office, Senior Safety Programs Manager, in the ACS Scientific Advancement Division of the ACS. Marta is regularly providing coupled funding to regional meeting that receive our award and this is a very strong component to the ongoing growth of CHAS’s future funding of safety programming in upcoming regional meetings.

Two regional meetings granting funding in 2021:

1. 2021 Rocky Mountain Regional Meeting, being held in Tucson, AZ - October 2021
2. SERMACS - Birmingham, AL - November 10 – 13, 2021

NRCC Liaison Report
Spring 2022 National Meeting
San Diego, CA

NRCC is now into our 55th year as a professional certification Board, and we continue to grow in scope and direction. As a CLIA approved Board for certification of Lab Directors of High Complexity Testing Laboratories, we have long had a focus in the clinical & toxicological fields. Maintaining that approval comes with a responsibility for rigorous standards and procedures that we work hard to uphold. Over the years we've added programs for environmental & industrial hygiene chemists & laboratory safety professionals, all programs designed to assure expertise in each field.

For 2022, the Board has authorized a new certification program for Cannabis Chemists (CANN-C). The program was largely developed by a group from the CANN subdivision of CHAS. The final education & experience requirements have been drafted, an exam prepared and vetted, and we expect a roll out of this program in time for the ACS Meeting in San Diego. The Board believes it is important, given the rapid expansion of the legal cannabis market, that laboratories doing analysis to assure safe products have highly qualified chemists working in and supervising those labs. Many cannabis chemists are also involved in extractions, and others in cannabinoid research, so the program is designed to show a well-rounded background and expertise in cannabis chemistry. The Board is hopeful that state departments of health will recognize credentialing for licensing of cannabis chemist is of great value to assure quality laboratory processes and procedures.

NRCC thanks our two representatives from ACS, Stefan Wawzyniecki (NRCC President for 2022) and Joe Pickel for the support of the organization.

Russ Phifer
Executive Director
rphifer@nrcc6.org
610-322-0657