

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

Thursday, April 15, 2021 Noon to 2:00pm EST

Zoom Virtual Link <https://princeton.zoom.us/j/92215412283>

1. **Welcome from Chair** (Elston) ([attachment 1](#)) 10:00
2. **Officer Reports** 10:05
  - a. Secretary (Wilhelm) ([attachments 2 & 3](#))
    - i. Approval of March minutes
    - ii. 2021 election process review
  - b. Treasurer (Koza) ([attachment 4](#))
  - c. Immediate Past Chair (Izzo) ()
  - d. Councilors (Wood-Black, Decker) ([attachment 6](#)) 10:45
3. **Cannabis Subdivision Report** (Bramante) ([attachment 7](#))
4. **Old Business** 11:00
  - a. DEIR initiatives ([attachment 8](#))
5. **New Business**
  - a. Approval of candidate slate for 2021 election (to start Jan 2022)
  - b. Division dues for upcoming year
6. **Reports of the Standing Committees** 11:20
  - a. Programming (Decker/Pickel) ([attachments 9 & 10](#))
  - b. Awards (Brown) ([attachment 11](#))
  - c. Long Range Planning (Sigmann) ([attachment 12](#))
  - d. Membership (Stuart) ([attachment 13](#))
7. **Reports of Other Committees**
  - a. Educational Program (Phifer) ([attachment 14](#))
8. **Liaison Reports** 11:50
  - a. NRCC (Phifer) ([attachment 15](#))
9. **Reminders and Adjournment**

## **Chair's Report**

### **ACS Spring 2021, San Antonio Virtual**

Welcome to San Antonio! (well, virtually!)

The Division continues to navigate the “new normal” in light of the COVID pandemic. Thanks to Robin Izzo’s leadership, we were able to get through the worst of it in 2020 and through her leadership we had many success stories. Since the last national meeting, we have continued to partner with the Committee on Chemical Safety and Small Chemical Business to advance health and safety in the Society.

Through the leadership of Neal Langerman and Frankie Wood-Black, we are incorporating the society’s core value of “Diversity, Equity, Inclusion and Respect” into our operations at every level. During this Spring meeting and in conjunction with several Division partners (BMGT, SCHB, CCS, Corporate Associates, and the ACS Department of Diversity Programs) we are hosting a DEIR networking event on 21 April. This networking event will be hosted by Dave Finster and Neal Langerman.

Our Programming Chairs, Debbie Decker and Joe Pickel have put together an outstanding series of symposia presentations and networking opportunities for the Spring meeting. These all can be found in the meeting Program or CHAS-At-A-Glance.

There has been quite a bit of activity since the last National Meeting:

- We have forwarded two names for ACS Fellows.
- Our Cannabis Subdivision continues their success and is in the early preparation stages of becoming an ACS Division. The CANN Leadership Team has been leading from the front in Cannabis Science with their programming and CANN-specific events.

**Changes in Leadership:** Our Awards Committee Chair, Kimi Brown, is working closely with former Division Chair Barbara Foster as Barbara takes over the Awards Committee in 2022.

We are seeking two people to work with our current Programming Chairs (Debbie Decker and Joe Pickel) as they seek some well-deserved respite from their work. Debbie and Joe have brought us some awesome programming for as long as I can remember.

This division moves forward because of the whole-hearted dedication of individuals moving in the same direction with the same endpoint – connecting chemistry and safety. I am proud of our accomplishments so early in 2021. It will be an exciting remainder of the year!

I wish each of you a successful meeting this Spring.

Harry Elston

# DCHAS Executive Committee Conference Call Minutes

## Action Items

- Promote workshops
- send photos for CHAS on the Road

## Upcoming Calls

Every third Thursday  
at 9am Pacific/noon Eastern  
Next call: April 15, 2021 (open meeting)

## Meeting Details

- Date and Time: March 18, 2021 at 12:01pm ET, adjourned at 12:57pm
- Connection Details: Call In Number – (669) 900-6833 Meeting ID: 92215412283
  - Online Alternative– <https://princeton.zoom.us/j/92215412283>
- Attendees: Julia Bramante, Kimi Brown, Brandon Chance, Tilak Chandra, Debbie Decker, Harry Elston, Dave Finster, Ken Fivizzani, Marta Gmurczyk, Bob Hill, Chris Incarvito, Robin Izzo, Mary Beth Koza, Dan Kuespert, Neal Langerman, Russ Phifer, Diane Schmidt, Sammye Sigmann, Ralph Stuart, Ellen Sweet, Monique Wilhelm, Frankie Wood-Black

## Discussion

- **Introduction/Announcements (Harry)**
- **Approval of February Minutes (Monique) -approved**
- **Diversity, Inclusion, Equality, Respect Update (Frankie)**
  - Neal and Frankie are reaching out to additional people for advice on how to proceed
  - Networking event DATE???
  - A lot of interest has been generated
  - ACS Committee on Diversity is happy to help but not co-sponsoring
  - ACS College outreach program
- **Treasurer Report (Mary Beth)**
  - 2021 year to date summaries
  - CHAS (includes CANN)
    - Total income \$2560.43
    - Total Expenses \$7,633.48
    - Net Income \$-5,073.055,649.51 (\$200 is donations received for CANN)
    - Grad Safety Workshop - \$1,241.90
  - CANN
    - Donations \$200
    - expenses \$1,440.96
    - net income \$-1,263.06
  - 2020 ACS Financial form submitted
  - Programming financial assistance for the upcoming meeting was discussed
    - Councilors will be provided registration reimbursement from ACS

- Motion: CHAS will cover registration cost for EC members who attend the meeting and who are not being reimbursed by other ACS means-  
approved
    - Registration receipt and reimbursement forms (located at [https://dchas.org/wp-content/uploads/2020/01/CHAS\\_EXPENSE\\_REPORT\\_2020.xlsx](https://dchas.org/wp-content/uploads/2020/01/CHAS_EXPENSE_REPORT_2020.xlsx)) will need to be submitted to Mary Beth immediately after the meeting or ASAP
- **Programming (Joe/Debbie)**
  - Spring 2021 – 46 talks, 3 posters
    - Start programming April 5, 9-12 (AM), 1-4 (PM), 5-8 (evening), Pacific time
    - Posters and Sci Mix will be in week 3
    - CANN will have networking later in the 4 week period of the meeting
    - Debbie will send us a schedule in a day or so
    - Networking rooms can still be requested at this time
  - Fall 2021 – likely to be hybrid virtual and in person (Atlanta)
    - Proposed symposia just submitted by Joe
    - Timelines are compressed
- **Workshops (Russ)**
  - Spring 2021 Meeting
    - Lab Waste Management = 6 registered
    - Blame-free investigation of lab-scale incidents = need more
    - Chemical Hygiene Officer = 8 registered
    - Writing Safety Statements in Publications (half day - \$150) 10 registered
- **Awards (Harry on behalf of Kimi)**
  - Announcement will be coming next week for awardees
  - All but Tillmanns-Skolnik and fellows had nominations
- **Member at Large Initiatives (Dan/Kendra/Ellen)**
  - Making progress on CHAS on the Road presentation to give at local meetings and promote the Division
  - Questions will be going out by email
  - Can we include DEIR within the presentation?
- **CANN (Julia)**
  - eRosters emails are not being received
  - New Equity, Diversity, and Inclusion Award to support BIPOC students and professionals attendance at meetings and mentorship is progressing to be approved by CHAS sometime after May this year
    - Process was clarified

- CANN can look to language in our AM to mirror in their award
- Timeline provided
  - Define award firmly - 03/31/21
  - Lock in funders - 05/15/21
  - Receive CHAS approval for award - 06/15/21
  - Call for applicant submissions - 08/15/21
  - Submissions due - 11/15/21
  - Selection committee meets minimum of twice by 12/15/21
  - Awardees selected - 12/31/21
  - Awardees notified - 01/07/22
  - Introduction between awardee and mentor/welcome packet- 01/31/22
  - First cohort attends National Meeting - 03/15/22
- **Other Business**
  - ACS National Safety Award
    - ACS had previously approved the award but has not found a sponsor to fund
    - ACS awards requirements have changed to require an endowment of \$400,000 before an award will be approved
    - Bob Hill is going back to the board and would like to find a board ally to help find alternate funding and encourage ACS to waive \$400,000 requirement
  - Mary Beth Mulcahy is looking for a speaker for next week to speak on history of the development of transportation regulations

Attendance Confirmed

Respectfully submitted,  
Monique Wilhelm

**Secretary's Report**  
**ACS Spring 2021, San Antonio Virtual**  
Monique Wilhelm

Activities for 2021 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.

2021 CHAS Executive Committee elections

Terms expiring at end of this year:

Chair-Elect, Treasurer, Member-at-Large

Will use online voting via Qualtrics May 1-21, 2021

Nominees should send photo and short biography for ballot to [mwilhelm@umich.edu](mailto:mwilhelm@umich.edu) no later than April 24<sup>th</sup>

# TREASURER'S REPORT

April 2021

Mary Beth Koza

Data as of March 17,2021

# Treasurer's comments

- Reimbursement requests due:
  - **1 May 2021**
  - 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 2021
  - Financial condition of CHAS: Transition



# BALANCE SHEET SUMMARY

		As of ...	31 December 2019	31 December 2020	17 March 2021
ASSETS					
	Current Assets				
		Checking/Savings	\$80,121	\$168,115	162,944
	Investments				
TIAA-CREF inception value as of 1/6/2015 \$89,514			\$116,444	\$133,499	\$134,931
Reserve Goal: 1.5 x Operating Budget		\$189,750			As of 2-28-2021
TOTAL ASSETS					
LIABILITIES & EQUITY	Liabilities		\$0	\$0	
	Equity		\$196,565	\$301,814	\$297,874
TOTAL LIABILITIES & EQUITY			\$196,565	\$301,814	\$297,874

# BUDGET SUMMARY

## Calendar Year, 2020

	Budget, \$	Actual, \$
Income	\$133,950	\$139,839
Expenses	\$116,425	\$38,014
Operating Gain/Loss	\$17,525	\$101,825

# BUDGET SUMMARY

## Calendar Year, 2021

	Budget	Actual year to date
Income	\$124,500	\$2,560
Expenses	\$72,925	\$7,633
Operating Gain/Loss	\$51,575	\$-5,073

## **2021 Dues**

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

## **2022 Dues**

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

# FINANCIAL DETAILS

- Documentation Attached
  - 2020 ACS Annual Report
  - 2020 Profit & Loss Statement
  - 2021 Profit & Loss Statement 3-17-2021
  - CANN P&L all years
  - CANN 2020 P&L



**Chemical Health > Financial Form**

**Income**

**Part A. Income**

*2020 Budget*

*2020 Actual*

*2021 Budget*

<b>1. Contributions *</b> Contributions, gifts, grants, and similar amounts received from members, non members, or outside organizations for specific uses by, or general benefit of, the division.	<b>Total</b> \$43,700.00	<b>Total</b> \$60,778.50	<b>Total</b> \$46,500.00
a. Meeting Grants	\$2,000.00	\$0.00	\$0.00
b. Meeting Awards	\$0.00	\$0.00	\$0.00
c. Non-meeting Grants	\$0.00	\$0.00	\$0.00
d. Non-meeting Awards	\$0.00	\$13,975.00	\$2,500.00
e. Innovative Project Funding	\$5,000.00	\$0.00	\$5,000.00
f. Donations	\$30,000.00	\$44,000.00	\$35,000.00
g. Other Contributions	\$2,000.00	\$236.69	\$1,000.00
h. New member commissions	\$0.00	\$45.00	\$0.00
i. Rebate from ACS for Councilor Travel	\$4,700.00	\$2,521.81	\$3,000.00

<b>2. Membership Dues and Assessments *</b> 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	<b>Total</b> \$58,000.00	<b>Total</b> \$34,736.20	<b>Total</b> \$37,000.00
a. February Dues payment	\$24,000.00	\$15,950.77	\$16,000.00
b. August Dues payment	\$21,000.00	\$5,996.23	\$8,000.00

c. Dues Paid Directly to Division	\$0.00	\$120.00	\$0.00
d. Annual Division Allocation from ACS	\$13,000.00	\$12,669.20	\$13,000.00

### 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.

	<b>Total</b> \$0.00	<b>Total</b> \$0.00	<b>Total</b> \$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.

	<b>Total</b> \$0.00	<b>Total</b> \$0.00	<b>Total</b> \$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.

	<b>Total</b> \$24,000.00	<b>Total</b> \$31,875.00	<b>Total</b> \$30,000.00
a. Total Conferences/Workshops/Meetings	\$24,000.00	\$31,875.00	\$30,000.00

### 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.

	<b>Total</b> \$5,000.00	<b>Total</b> \$11,449.48	<b>Total</b> \$9,000.00
a. Interest on Savings or Temporary Cash Investments	\$5,000.00	\$0.00	\$0.00
b. Dividends and Interest from Securities	\$0.00	\$11,449.48	\$9,000.00
c. Income from Investments of Tax-exempt Bond Proceeds	\$0.00	\$0.00	\$0.00

### 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.	<b>Total</b> \$0.00	<b>Total</b> \$	<b>Total</b> \$
a. Gross Amount from Sale of Securities	\$0.00	\$0.00	\$0.00
b. Less Cost or Other Basis and Sales Expenses	\$0.00	\$0.00	\$0.00
c. Gain or Loss	\$0.00	\$	\$

<b>8. Royalties *</b> Royalties realized as a result of book publication.	<b>Total</b> \$250.00	<b>Total</b> \$0.00	<b>Total</b> \$0.00
a. Total Royalties	\$250.00	\$0.00	\$0.00

<b>9. Rental Income or (Loss) *</b> Income or loss related to rental .	<b>Total</b> \$0.00	<b>Total</b> \$	<b>Total</b> \$
a. Gross Rents	\$0.00	\$0.00	\$0.00
b. Less: Rental Expenses	\$0.00	\$0.00	\$0.00
c. Rental Income or (Loss)	\$0.00	\$	\$
d. Net Rental Income or (Loss)	\$0.00	\$0.00	\$0.00

<b>10. Income from Fundraising Events *</b> 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.	<b>Total</b> \$0.00	<b>Total</b> \$	<b>Total</b> \$
a. Gross Income from Fundraising Events	\$0.00	\$0.00	\$0.00
b. Less: Direct Expenses	\$0.00	\$0.00	\$0.00
c. Net Income or (Loss) from Fundraising Activities	\$0.00	\$	\$

<b>11. Income from Gaming Activities *</b>			
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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.	<b>Total</b> \$0.00	<b>Total</b> \$	<b>Total</b> \$
a. Gross Income from Gaming Activities	\$0.00	\$0.00	\$0.00
b. Less: Direct Expenses	\$0.00	\$0.00	\$0.00
c. Net Income or (Loss) from Gaming Activities	\$0.00	\$	\$

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

<b>13. Total All Other Revenue *</b> 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.	<b>Total</b> \$3,000.00	<b>Total</b> \$1,000.00	<b>Total</b> \$2,000.00
a. Total All Other Revenue:	\$3,000.00	\$1,000.00	\$2,000.00

<b>14. Total Miscellaneous Revenue *</b> Enter all other types of revenue not reportable above.	<b>Total</b> \$0.00	<b>Total</b> \$0.00	<b>Total</b> \$0.00
a. Total Miscellaneous Revenue:	\$0.00	\$0.00	\$0.00

<b>Total Income From All Activities :</b>	<b>2020 budget</b> \$133,950.00	<b>2020 Actual</b> \$139,839.18	<b>2021 budget</b> \$124,500.00
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Please explain the difference between actual and budget figures \*

The Pandemic was a major impact on the Division's activities. The division did establish a new award with a donor donating 5 years of award funds. Work on current IPG grants was delayed so no new funds were requested. The CANN subdivision had \$44,000 dollars donated, with the goal of developing a baseline to support their becoming their own division. The rebate for Councilor travel was for the year 2018 received in 2019. Membership dues and allocations were down by 40%. The Division created online workshops which were very successful with an increase of 36%. investment income started out the beginning of the year with a loss but ended strong.

## Expenses

<b>1. Contributions *</b> Report grants and awards to individuals or organizations. Also include scholarships, fellowships and research grants to individuals.	<b>Total</b> \$29,225.00	<b>Total</b> \$9,048.30	<b>Total</b> \$20,000.00
a. Meeting Grants and Awards	\$12,225.00	\$0.00	\$10,000.00
b. Non-Meeting Grants and Awards	\$17,000.00	\$9,048.30	\$10,000.00
c. Donations and Other Contributions	\$0.00	\$0.00	\$0.00
<b>2. Benefits paid to or for Members *</b> Payments made by the organization to provide benefits to members.	<b>Total</b> \$0.00	<b>Total</b> \$0.00	<b>Total</b> \$0.00
a. Total Benefits paid to or for Members	\$0.00	\$0.00	\$0.00
<b>3. Salary, other Compensation, Employee Benefits *</b> 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.	<b>Total</b> \$0.00	<b>Total</b> \$0.00	<b>Total</b> \$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

<b>4. National Meeting Expenses *</b> 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.	<b>Total</b> \$19,000.00	<b>Total</b> \$2,060.00	<b>Total</b> \$10,000.00
a. Speaker Fees and per Diem	\$0.00	\$0.00	\$0.00
b. Guest Registration	\$3,000.00	\$1,860.00	\$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	\$8,000.00	\$200.00	\$5,000.00
g. Audio/Visual Equipment	\$4,000.00	\$0.00	\$0.00
h. Other	\$4,000.00	\$0.00	\$2,000.00

<b>5. Investment Expenses *</b> Include service fees, bank charges, etc.	<b>Total</b> \$0.00	<b>Total</b> \$829.24	<b>Total</b> \$825.00
a. Total Investment Expenses	\$0.00	\$829.24	\$825.00

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

<b>7. Publications Expenses *</b> Include expenses for newsletters, ballots, membership directories, preprints, reprints, proceedings, and any other special publications.	<b>Total</b> \$0.00	<b>Total</b> \$1,495.81	<b>Total</b> \$1,100.00
a. Membership Directories - printing	\$0.00	\$0.00	\$0.00
b. Newsletter/Ballots - printing	\$0.00	\$1,415.00	\$1,000.00
c. Abstract Separates - printing included with Newsletter	\$0.00	\$0.00	\$0.00
d. Preprints/Reprints - printing	\$0.00	\$0.00	\$0.00
e. Postages and Shipping	\$0.00	\$80.81	\$100.00
f. Other	\$0.00	\$0.00	\$0.00

<b>8. Conferences/WorkShops/Meetings *</b> Expenses from specialty meetings sponsored or cosponsored by divisions. Also include fees associated with Secretariats, Division Officer's Caucus, etc.	<b>Total</b> \$27,500.00	<b>Total</b> \$13,832.63	<b>Total</b> \$20,000.00
a. Inter-Divisional Activities	\$1,000.00	\$0.00	\$0.00
b. Other Activities	\$26,500.00	\$13,832.63	\$20,000.00

<b>9. Administrative *</b> Include secretarial expenses (stationery, postage, and telephone), councilor travel, and officer travel. Include salaries and general overhead in administrative expenses.	<b>Total</b> \$28,700.00	<b>Total</b> \$4,134.39	<b>Total</b> \$13,000.00
a. Officers	\$7,000.00	\$0.00	\$3,500.00
b. Committees	\$7,000.00	\$0.00	\$3,500.00
c. Councillors	\$6,500.00	\$0.00	\$3,000.00
d. National Meeting Travel/Meals	\$0.00	\$0.00	\$0.00
e. Communications (postages,telephone,etc)	\$4,000.00	\$0.00	\$1,000.00

f.DLC/P2C2 Expenses	\$2,400.00	\$2,198.30	\$1,000.00
g. Office Supplies and Operations	\$1,800.00	\$1,936.09	\$1,000.00

<b>10. Other Expenses *</b> Itemize under other expenses those that do not seem to fit in one of the categories listed above.	<b>Total</b> \$12,000.00	<b>Total</b> \$6,613.64	<b>Total</b> \$8,000.00
a. Total Other Expenses	\$12,000.00	\$6,613.64	\$8,000.00

<b>Total Expenses :</b>	<b>2020 budget</b> \$116,425.00	<b>2020 Actual</b> \$38,014.01	<b>2021 budget</b> \$72,925.00
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<b>Gain (Loss) Operating Account:</b>	<b>2020 budget</b> \$17,525.00	<b>2020 Actual</b> \$101,825.17	<b>2021 budget</b> \$51,575.00
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**Please explain the difference between actual and budget figures \***

The pandemic did provide the opportunity to save on expenses in 2020. Expenses on meetings and non meeting grants/awards were reduced by 70%. national meeting expenses were reduced by 89%. Conference expenses were reduced by 40% since divisional workshops were conducted on line. Administrative costs were reduced by 85% and other costs by 50%.

## Investment

**Part C. Investments and Other Assets**

*Beginning of year 2020    End of year 2020*

<b>1. Investments &amp; Assets (Unrestricted) *</b>	<b>Total</b> \$196,565.00	<b>Total</b> \$301,614.61

a. Checking	\$80,121.00	\$168,115.42
b. Saving	\$116,444.00	\$133,499.19
c. Other	\$0.00	\$0.00

<b>2. Restricted Investment Funds *</b>	<b>Total</b> \$0.00	<b>Total</b> \$0.00
a. Total Restricted Investment Funds:	\$0.00	\$0.00

<b>Total Investments and Other Assets:</b>	<b>2020 budget</b> \$196,565.00	<b>2020 Actual</b> \$301,614.00
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**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      2020 budget



Operating Account Income (Part A)	\$139,839.18
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Assets and Investments (Part C)	\$301,614.00
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Operating Account Expenditures Commitments or Liabilities (Part B)	\$38,014.01
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## Supporting Material

Brief Description	File Name	File Size	Date Uploaded
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# Division of Chemical Health & Safety

## PROFIT AND LOSS

January - December 2020

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F2 DONATION CANN SUBDIVISION	500.00
A1F2A Heidolph North America	18,000.00
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	44,000.00
A1F3 AMAZON Smile	236.69
Total A1F DONATIONS	44,236.69
A1G OTHER CONTRIBUTIONS	-25.00
A1G1 Safety Stratus Award	1,500.00
A1G2 GRAD STUDENT SAFETY LEADERSHIP AWARD	12,500.00
Total A1G OTHER CONTRIBUTIONS	13,975.00
A1I REBATE FROM ACS	45.00
A1I1 Councilor Expenses	2,521.81
Total A1I REBATE FROM ACS	2,566.81
Total A1 CONTRIBUTIONS	60,778.50
A4 CONF/WORKSHOPS/MEETINGS	
A4A WORKSHOPS	600.00
A4A1 CHO WORKSHOP	9,250.00
A4A10 GRAD STUDENT SAFETY WRKSHP	3,625.00
A4A10A ACS Support of Grad Workshops	5,000.00
A4A11 Blame Free Investigation	1,875.00
A4A12 Safety Leadership	6,000.00
A4A2 LAB SAFETY WORKSHOP	1,275.00
A4A3 HAZWASTE WORKSHOP	2,525.00
A4A5 REACTIVES WORKSHOP	1,500.00
Total A4A WORKSHOPS	31,650.00
Total A4 CONF/WORKSHOPS/MEETINGS	31,650.00



# Division of Chemical Health & Safety

## PROFIT AND LOSS

January - December 2020

	TOTAL
A5 DUES & ASSESSMENTS	
A5A ACS DUES - JAN - JUNE	5,996.23
A5B ACS DUES - JULY - DEC	15,950.77
A5C PAID DIRECT TO DIVCHAS	120.00
A5D ANNUAL ALLOCATION FROM ACS	12,669.20
<b>Total A5 DUES &amp; ASSESSMENTS</b>	<b>34,736.20</b>
A8 OTHER	
A8B MISCELLANEOUS	
A8B1 SOCIALS, DINNERS	1,000.00
<b>Total A8B MISCELLANEOUS</b>	<b>1,000.00</b>
<b>Total A8 OTHER</b>	<b>1,000.00</b>
C3 UNREALIZED GAIN/LOSS MUTUAL	11,449.48
Unapplied Cash Payment Income	225.00
<b>Total Income</b>	<b>\$139,839.18</b>
<b>GROSS PROFIT</b>	<b>\$139,839.18</b>
Expenses	
B1 CONTRIBUTIONS EXP.	
B1A MEETING GRANTS/AWARDS	463.32
B1A1 Collegiate Lab Safety Award	1,000.00
B1A3 Tillmans-Skolnick Award	500.00
B1A4 OTHER AWARDS	
B1A4A Student Registration reimbursement award	560.00
<b>Total B1A4 OTHER AWARDS</b>	<b>560.00</b>
B1A5 AWARDS COMMITTEE EXPENSES	51.45
B1A7 Award -Graduate Research Faculty Safety	1,000.00
<b>Total B1A MEETING GRANTS/AWARDS</b>	<b>3,574.77</b>
<b>Total B1 CONTRIBUTIONS EXP.</b>	<b>3,574.77</b>
B2 NATIONAL MEETING EXPENSES	
B2I SOCIAL EVENT NAT MTG	200.00
<b>Total B2 NATIONAL MEETING EXPENSES</b>	<b>200.00</b>
B5 PUBLICATION EXPENSES	
B5E POSTAGE & SHIPPING	17.81
<b>Total B5 PUBLICATION EXPENSES</b>	<b>17.81</b>

# Division of Chemical Health & Safety

## PROFIT AND LOSS

January - December 2020

	TOTAL
B6 CONF/WORKSHOPS/MEETINGS EXP	
B6B OTHER	
B6B1 LAB SAFETY WORKSHOP	
B6B1c SAFETY MANUALS, etc	140.00
B6B1d LSW Profit Sharing	509.18
<b>Total B6B1 LAB SAFETY WORKSHOP</b>	<b>649.18</b>
B6B10 Blame Free Incident Investigation	
B6B10d Blame Free Profit Sharing	579.18
<b>Total B6B10 Blame Free Incident Investigation</b>	<b>579.18</b>
B6B2 CHO WORKSHOP	
B6B2c CHO MANUALS, etc.	600.00
B6B2d CHO Profit Sharing	2,451.10
<b>Total B6B2 CHO WORKSHOP</b>	<b>3,051.10</b>
B6B3 HAZARDOUS WASTE WORKSHOP EXP	
B6B3c HAZWASTE MANUALS, etc	180.00
B6B3d LAB WASTE Profit Sharing	747.54
<b>Total B6B3 HAZARDOUS WASTE WORKSHOP EXP</b>	<b>927.54</b>
B6B6 GRADUATE STUDENT SAFETY WORKSHOP	
B6B6a GRAD STUDENT INSTRUCTOR FEE	800.00
<b>Total B6B6 GRADUATE STUDENT SAFETY WORKSHOP</b>	<b>800.00</b>
B6B7 Reactives Workshop	
B6B7b REACTIVES INSTRUCTOR EXPENSES	67.80
B6B7d REACTIVES PROFIT SHARING	800.98
<b>Total B6B7 Reactives Workshop</b>	<b>868.78</b>
<b>Total B6B OTHER</b>	<b>6,875.78</b>
B6B11 Safety Leadership Workshop	2,006.85
B6F Refund for workshops	4,950.00
<b>Total B6 CONF/WORKSHOPS/MEETINGS EXP</b>	<b>13,832.63</b>
B7 ADMINISTRATIVE	
B7F DLC/P2C2 CONF EXP	2,198.30
B7G SUPPLIES & OPERATIONS (9G)	1,936.09
B7G1 POSTAGE	63.00
<b>Total B7G SUPPLIES &amp; OPERATIONS (9G)</b>	<b>1,999.09</b>
<b>Total B7 ADMINISTRATIVE</b>	<b>4,197.39</b>
B8 OTHER EXP (9G)	
B8A CREDIT CARD PROCESSING	814.24
B8B ACCOUNTING EXPENSES	15.00
<b>Total B8 OTHER EXP (9G)</b>	<b>829.24</b>

# Division of Chemical Health & Safety

## PROFIT AND LOSS

January - December 2020

	TOTAL
B9 CANNABIS SUBDIV EXP	
B9A1 Advertising/Promotional	1,415.00
B9A1a Fall 2020 ACS meeting	1,860.00
<b>Total B9A1 Advertising/Promotional</b>	<b>3,275.00</b>
B9A2 Heidolph North America scholarship	5,473.53
B9A5 CANN ADMIN & POSTAGE	2,686.07
B9A51 Zoom Account	472.80
B9A52 Web - G Suite	1,204.97
<b>Total B9A5 CANN ADMIN &amp; POSTAGE</b>	<b>4,363.84</b>
B9A9 Video production	2,250.00
<b>Total B9 CANNABIS SUBDIV EXP</b>	<b>15,362.37</b>
Unapplied Cash Bill Payment Expense	0.00
<b>Total Expenses</b>	<b>\$38,014.21</b>
NET OPERATING INCOME	\$101,824.97
NET INCOME	\$101,824.97

3076

# 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	44,000.00
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>130,302.12</b>
<b>Total A1F DONATIONS</b>	<b>130,302.12</b>
<b>Total A1 CONTRIBUTIONS</b>	<b>130,302.12</b>
<b>Total Income</b>	<b>\$130,302.12</b>
GROSS PROFIT	<b>\$130,302.12</b>
Expenses	
B9 CANNABIS SUBDIV EXP	9,215.23
B9A1 Advertising/Promotional	18,445.72
B9A1a Fall 2020 ACS meeting	1,860.00
<b>Total B9A1 Advertising/Promotional</b>	<b>20,305.72</b>
B9A2 Heidolph North America scholarship	17,592.28
B9A3 Perkin-Elmer CANN expenses	3,040.00
B9A5 CANN ADMIN & POSTAGE	4,755.27
B9A51 Zoom Account	700.98
B9A52 Web - G Suite	2,016.59
<b>Total B9A5 CANN ADMIN &amp; POSTAGE</b>	<b>7,472.84</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>72,887.70</b>
<b>Total Expenses</b>	<b>\$72,887.70</b>
NET OPERATING INCOME	<b>\$57,414.42</b>
NET INCOME	<b>\$57,414.42</b>

# Division of Chemical Health & Safety

## CANN P&L

January - December 2020

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F2 DONATION CANN SUBDIVISION	500.00
A1F2A Heidolph North America	18,000.00
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>44,000.00</b>
<b>Total A1F DONATIONS</b>	<b>44,000.00</b>
<b>Total A1 CONTRIBUTIONS</b>	<b>44,000.00</b>
<b>Total Income</b>	<b>\$44,000.00</b>
GROSS PROFIT	<b>\$44,000.00</b>
Expenses	
B9 CANNABIS SUBDIV EXP	
B9A1 Advertising/Promotional	1,415.00
B9A1a Fall 2020 ACS meeting	1,860.00
<b>Total B9A1 Advertising/Promotional</b>	<b>3,275.00</b>
B9A2 Heidolph North America scholarship	5,473.53
B9A5 CANN ADMIN & POSTAGE	2,686.07
B9A51 Zoom Account	472.80
B9A52 Web - G Suite	1,204.97
<b>Total B9A5 CANN ADMIN &amp; POSTAGE</b>	<b>4,363.84</b>
B9A9 Video production	2,250.00
<b>Total B9 CANNABIS SUBDIV EXP</b>	<b>15,362.37</b>
<b>Total Expenses</b>	<b>\$15,362.37</b>
NET OPERATING INCOME	<b>\$28,637.63</b>
NET INCOME	<b>\$28,637.63</b>

# Division of Chemical Health & Safety

## Profit and Loss

January 1 - March 18, 2021

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F2 DONATION CANN SUBDIVISION	200.00
A1F3 AMAZON Smile	40.53
<b>Total A1F DONATIONS</b>	<b>240.53</b>
A1G OTHER CONTRIBUTIONS	1,078.00
<b>Total A1 CONTRIBUTIONS</b>	<b>1,318.53</b>
A4 CONF/WORKSHOPS/MEETINGS	
A4A WORKSHOPS	
A4A10 GRAD STUDENT SAFETY WRKSHP	1,241.90
<b>Total A4A WORKSHOPS</b>	<b>1,241.90</b>
<b>Total A4 CONF/WORKSHOPS/MEETINGS</b>	<b>1,241.90</b>
<b>Total Income</b>	<b>\$2,560.43</b>
GROSS PROFIT	<b>\$2,560.43</b>
Expenses	
B1 CONTRIBUTIONS EXP.	
B1B INNOVATIVE FUNDING EXPENSE	
B1B11 RAMP_ORGANIC_2018	5,000.00
<b>Total B1B INNOVATIVE FUNDING EXPENSE</b>	<b>5,000.00</b>
<b>Total B1 CONTRIBUTIONS EXP.</b>	<b>5,000.00</b>
B6 CONF/WORKSHOPS/MEETINGS EXP	
B6B OTHER	
B6B6 GRADUATE STUDENT SAFETY WORKSHOP	175.00
B6B6a GRAD STUDENT INSTRUCTOR FEE	625.00
<b>Total B6B6 GRADUATE STUDENT SAFETY WORKSHOP</b>	<b>800.00</b>
<b>Total B6B OTHER</b>	<b>800.00</b>
<b>Total B6 CONF/WORKSHOPS/MEETINGS EXP</b>	<b>800.00</b>
B7 ADMINISTRATIVE	
B7G SUPPLIES & OPERATIONS (9G)	194.01
<b>Total B7 ADMINISTRATIVE</b>	<b>194.01</b>
B8 OTHER EXP (9G)	
B8A CREDIT CARD PROCESSING	4.50
B8B ACCOUNTING EXPENSES	171.91
<b>Total B8 OTHER EXP (9G)</b>	<b>176.41</b>
B9 CANNABIS SUBDIV EXP	
B9A1 Advertising/Promotional	22.10
B9A5 CANN ADMIN & POSTAGE	401.16
B9A51 Zoom Account	228.18
B9A52 Web - G Suite	811.62
<b>Total B9A5 CANN ADMIN &amp; POSTAGE</b>	<b>1,440.96</b>
<b>Total B9 CANNABIS SUBDIV EXP</b>	<b>1,463.06</b>
<b>Total Expenses</b>	<b>\$7,633.48</b>
NET OPERATING INCOME	<b>\$ -5,073.05</b>
NET INCOME	<b>\$ -5,073.05</b>

## **Council Meeting Summary of Governance Issues and Actions**

**ACS Spring 2021, San Antonio Virtual**

Attended by: Councilor Frankie Wood-Black and Councilor Debbie M. Decker

Council met virtually on March 24<sup>th</sup>, 2021, with about 500 in attendance online. The Committee on Nominations and Elections, charged with organizing and facilitating the virtual Council meeting, did an excellent job of training and educating attendees on how to interact with the technology, to cast votes and offer comments on various agenda items. Two mock council meetings were made available to councilors for information and training. It was a very full agenda and President Cheng managed the discussion efficiently and the meeting ended on time.

As of March 25<sup>th</sup>, registration for the Spring National Meeting was 6,266 with ~1,400 international registrants representing 63 countries. Additional registration statistics will be available after the meeting.

This summary is taken from the Councilor Talking Points document, provided by ACS.

### **Actions of the Council**

#### Election Results:

##### *Candidates for President-Elect, 2022*

By electronic ballot, the Council selected Judith C. Giordan and John C. Warner as candidates for 2022 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

##### *Directors from District I and District V on the Board of Directors, 2022-2024.*

The Committee on Nominations and Elections announced the results of the election held prior to the virtual Council meeting to select candidates from the list of nominees for Directors from District I and District V on the Board of Directors for the term 2022-2024. By internet ballot, the Councilors from these districts selected D. Richard Cobb and Katherine L. Leeas District I candidates; and Lisa Balbesand Joseph A. Heppertas District V candidates. Ballots will be distributed to members residing in District I and District V around October 1, 2021.

##### *Candidates for Directors-at -Large*

The Committee on Nominations and Elections announced the selection of the following candidates for Directors-at -Large for 2022-2024 terms: Rodney M. Bennett, Arlene Garrison, Natalie A. LaFranzo, and Lee H. Latimer. The election of two Directors-at-Large from among these four candidates and any selected via petition will be conducted in the fall. Ballots will be distributed to all Councilors around October 1, 2021.

### **Other Council Actions**

### *Committee on Committees Petition*

The Council **approved** the *Petition to Harmonize Committee Structures, Processes, and Terms*, as amended.

This petition places all committees in one category called “Society Committees” – eliminating the several different types of committees. The years of service and the number of committee members on each Society Committee would now be consistent and would match the present terms of the Elected Committees: three-year terms with a two-term maximum for committee members.

Certain (6) Society Committees will no longer have the “Councilor only” designation, allowing an individual to join and continue service on a committee regardless of their status as a Councilor.

The Committee on Committees amended the petition prior to bringing it to Council, in response to several committees’ concerns, to include the **bolded** phrase:

The terms for a member of a Society Committee shall be three calendar years. A member of a Society Committee shall be eligible to serve two successive three-year terms on the same committee, **however, that service could be extended if the appointing officer(s) determines that there is a compelling need for ongoing expertise on the committee.**

The Petition will become effective immediately upon approval by the Board of Directors, however, existing committee assignments will be start a transition to the term limits on January 1, 2022.

### *Committee on Local Section Activities Petition*

The Council **approved** the *Petition to Amend the Duties of the Committee on Local Section Activities*.

This petition provides the Committee on Local Section Activities with the authority to support Local Sections by taking action on their behalf, including appointing an interim executive committee and/or facilitating a Local Section’s election when there is a lapse in the local section’s leadership.

### *2022 Schedule of Membership*

The Council **approved** the 2022 Schedule of Membership, upon recommendation of the Committee on Membership Affairs:

The Schedule reduces the base dues rate to \$160 per year.



It establishes various dues categories and benefits packages based upon career stages, role in the chemical enterprise, and desired level of interaction by the Member with the Society.

#### *Continuation of Committees*

The Council **approved** the recommendation of the Committee on Committees that the Committee on Ethics be continued.

#### *Committee on Divisional Activities Distribution Formula*

The Council **approved** the Distribution Formula for Division Allocations upon the recommendation of the Committee on Divisional Activities.

ACS Standing Rules state that 9% of the ACS Member Dues Pool be allocated to the technical divisions.

The new allocation formula is transparent, immediately implementable, reduces the year-to-year variation in the distribution amount and will work in all current national meeting formats.

The new formula increases the base allotment and the per division member allotment portion of the pool to be distributed among the 32 Divisions.

The portion of the pool devoted to Innovative Project and Strategic Planning Grants will increase from 10 to 15%. The intent is to support division strategic planning, expand the scope of innovative projects grants, and fund shortfalls due to the capping of year-to-year losses.

A 7.5% cap on the year-to-year distribution gain/loss by a division is intended to increase stability and give divisions a chance to adjust to the new formula.

This formula is considered transitional and will be reviewed by the Committee on Divisional Activities yearly.

#### *Resolutions*

The Council **passed** the following resolutions:

- in Memory of Deceased Councilors;
- to Members of the American Chemical Society Recognizing the COVID Pandemic.

#### **Highlights from Committee Reports**

##### *Budget and Finance*

In 2020, ACS generated a net from operations of \$61 million, which was almost \$20 million higher than the budget.

Total revenues were \$618.4 million, increasing 3.9% or \$23.1 million over 2019.

Expenses for the year were \$557.4 million, virtually even with the prior year and almost 5 percent below budget. This result was attributable to strong revenue performance from the Society's Information Services units (i.e., CAS and ACS Publications) and a combination of COVID-19 related impacts on, and careful management of, expenses across the ACS.

The Society's 2020 Net from Operations totaled \$130.5 million and included Information Services and Investments. The Society's financial position strengthened considerably in 2020, with Unrestricted Net Assets, or reserves, increasing by 35 percent to \$553 million at December 31. The increase was primarily the result of the \$61 million net from operations, and growth of the Society's investments totaling \$6 million.

#### *Updates to the ACS Strategic Plan*

The ACS Board of Directors approved extensive changes to the ACS Strategic Plan last December.

Equity was added to our Core Values, which now include on Diversity, Equity, Inclusion and Respect.

Our Vision and Mission statements were modified to make clear that these statements include all people.

A fifth Strategic Goal: 'To Embrace and to Advance Inclusion in Chemistry', was added to make clear that Diversity, Equity, Inclusion and Respect was our commitment at the same

#### **Actions of the Board of Directors - Executive Session**

The ACS Board of Directors met virtually in Executive Session on March 19 and March 26, 2021 and considered a number of key strategic issues and responded with numerous actions. As proscribed in the Standing Rules, the Board **confirmed** the Council's approval of the *Petition to Harmonize Committee Structures, Processes and Terms* and the *Petition to Amend the Duties of the Committee on Local Section Activities*.



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

**National Meeting Report**

**Spring 2021, Virtual - 261<sup>st</sup> ACS National Meeting**

**I. CANN Executive Committee**

**Chair**

Julia Bramante

[chair@cann-accs.org](mailto:chair@cann-accs.org)

**Vice Chair**

Kyle Boyar

[chair-elect@cann-accs.org](mailto:chair-elect@cann-accs.org)

**Past Chair**

Andrew Pham

[phamcongandrew@gmail.com](mailto:phamcongandrew@gmail.com)

**Secretary**

Melissa Wilcox

[secretary@cann-accs.org](mailto:secretary@cann-accs.org)

**Awards Committee Chair**

Michael Coffin

[awards@cann-accs.org](mailto:awards@cann-accs.org)

**Chinese Section Chair**

Hang Ma, PhD

[chinese\\_section@cann-accs.org](mailto:chinese_section@cann-accs.org)

**Development Committee Chair**

Ezra Pryor

[giving@cann-accs.org](mailto:giving@cann-accs.org)

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***CANN Executive Committee, Continued:***

**Membership Committee Co-Chair**

Brandon Canfield, PhD

[membership@cann-accs.org](mailto:membership@cann-accs.org)

**Membership Committee Co-Chair**

Nick Mulder

[membership@cann-accs.org](mailto:membership@cann-accs.org)

**Member-at-Large**

Bryant Jones

[jone3608@umn.edu](mailto:jone3608@umn.edu)

**Programming Committee Chair**

Amber Wise, PhD

[programming@cann-accs.org](mailto:programming@cann-accs.org)

**Publication Committee Chair**

Nigam B. Arora, PhD

[publication@cann-accs.org](mailto:publication@cann-accs.org)

**Public Relations Committee Chair**

Brittaney Dowd

[pr@cann-accs.org](mailto:pr@cann-accs.org)

**Safety Committee Chair**

Vacant

[safety@cann-accs.org](mailto:safety@cann-accs.org)

**Senior Advisory Committee Chair**

Russ Phifer

[rphifer@wcenvironmental.com](mailto:rphifer@wcenvironmental.com)

## II. Words from the Chair

### The State, Strategy, and Trajectory of CANN - 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 managed to accomplish a considerable amount over the past year, even in the midst of the pandemic.

Highlights for accomplishments and near future initiatives include:

- ❖ CANN's new website launch: [cann-acs.org](http://cann-acs.org)
- ❖ ElSohly Award Winners 2021
- ❖ A full programming schedule for ACS National Meetings in 2021 and 2022
- ❖ Two Proceedings publications from the CANN Symposia at the Spring and Fall 2020 ACS National Meetings
- ❖ Quarterly Newsletters
- ❖ Programming at the upcoming ACS Northwest Regional Meeting (NORM)
- ❖ Steady Membership (with a net gain)
- ❖ Presence at the ACU China Hemp Exhibition & Conference 2021
- ❖ Routine Journal Club Sessions
- ❖ Ongoing development of a diversity focused award

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***Words from the Chair, Continued:***

CANN continues on its path to become an ACS Technical Division, as supported by 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 P&L Summary 2020

- ❖ Donations: \$44,000.00
- ❖ Expenses: \$15,362.37
- ❖ Net Income: \$28, 637.63

### IV. Committee Reports

#### Awards Committee Report - Chair: Michael Coffin

##### Overview

CANN welcomes its new Awards Committee Chair, Michael Coffin, into his role, which he has already embraced remarkably in the year 2021.

Aligned with its efforts since inception, CANN Awards Committee continues to offer and oversee the ElSohly Award and to develop processes within the ElSohly Award application and selection. Additionally, CANN's Awards Committee is looking for opportunities to develop more awards within CANN while also investigating opportunities to apply to other awards within ACS. Of note, CANN has made immense progress in proposing a new award to improve the representation and engagement of BIPOC in CANN and ACS overall. CANN plans to offer this new diversity focused award in the year 2022.

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 is granted for excellence and commitment to the field of Cannabis Chemistry and Science. The first ever award of its kind, this award seeks recognize leading cannabis scientists while also defraying the cost associated with presenting scientific works at the American Chemical Society's National Meeting, providing a maximum of \$1500 per awardee.

## Awards Committee Report, Continued:

### 2021 ELSohly Award

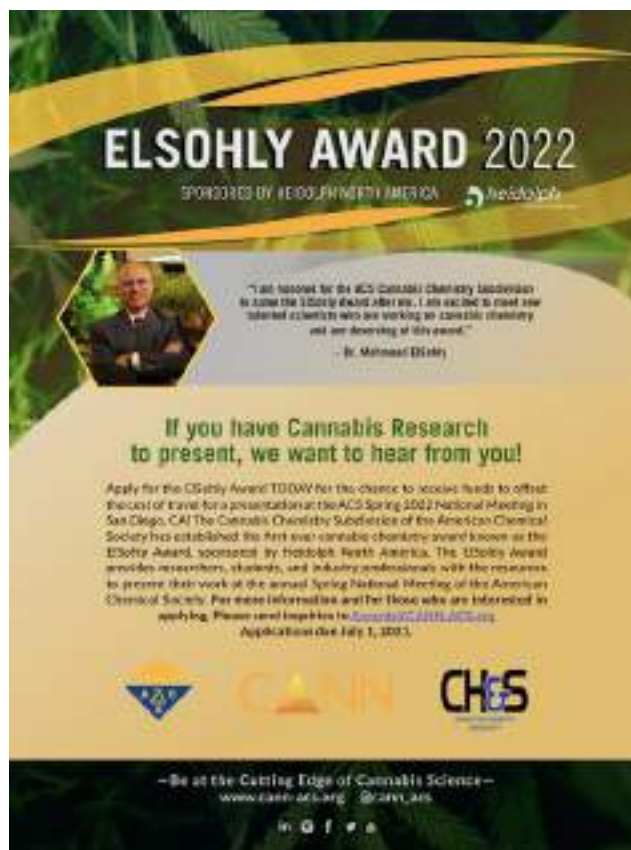
The ELSohly Award received a total of eight applicants for its 2021 cohort. The new scoring system was disseminated to all of the Selection Committee members prior to voting which commenced on July 29 and concluded on August 18. After tabulating the final scores, the Administrative Committee has chosen three recipients for this year's award, who will present their work at the upcoming ACS Spring 2021 National Meeting.

The 2021 ELSohly Award winners are:

- ❖ Avinash Dalmia, PhD
- ❖ Jerry King, PhD
- ❖ Laura Mercolini, PhD

### 2022 ELSohly Award

CANN is currently soliciting applications for the forthcoming ELSohly Award recipients, with applications due July 1<sup>st</sup>, 2021.



**ELSOHLY AWARD 2022**  
SPONSORED BY HUGOBONHEIT AMERICA

*"I am honored for the ACS Cannabis Chemistry Subdivision to name the ELSohly Award after me. I am excited to meet new talented scientists who are working on Cannabis chemistry and are deserving of this award."*  
— Dr. Minnaad ELSohly

**If you have Cannabis Research to present, we want to hear from you!**

Apply for the ELSohly Award TODAY for the chance to receive funds to offset the cost of travel for a presentation at the ACS Spring 2022 National Meeting in San Diego, CA! The Cannabis Chemistry Subdivision of the American Chemical Society has established the first ever cannabis chemistry award known as the ELSohly Award, sponsored by HUGOBONHEIT AMERICA. The ELSohly Award provides researchers, students, and industry professionals with the resources to present their work at the annual Spring National Meeting of the American Chemical Society. For more information and for those who are interested in applying, please send inquiries to: [Source@CANN.ACS.org](mailto:Source@CANN.ACS.org). Applications due July 1, 2021.

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*Awards Committee Report, Continued:*

Initiatives 2021

The Awards Committee will continue its efforts with the ElSohly Award, and is excited for the establishment of its developing diversity focused award.

## Chinese Section Report - Chair: Hang Ma, PhD

### Overview & Accomplishments

- ❖ The annual "ACU China Hemp Exhibition & Conference" is scheduled for July 2-3, 2021
  - Virtual Conference
  - CANN has provided recommendations for invited speakers and plans to have a presence at the conference
- ❖ Chair Hang Ma is holding a symposium entitled "Chemistry and Biological Activities of Cannabis and Cannabinoids" planned for the Fall 2022 ACS National Meeting
  - ❖ Co-sponsorship between ACS AGFD (Agriculture and Food Chemistry Division) and CANN

### Initiatives 2021

The Chinese Section maintains its initiatives as the following:

- ❖ Translate CANN materials into Mandarin to help distribute and share information to Chinese counterparts
- ❖ Continue recruiting speakers from CANN for conferences held in China or virtually
- ❖ Increase membership in China
- ❖ Seek to provide a way for Chinese scientists to electronically pay membership dues (alternative routes to Paypal and American accepted credit cards are needed)
- ❖ Co-host symposium with ACS AGFD (Agriculture and Food Chemistry Division) at ACS National Meetings
- ❖ Explore potential industrial and business collaborations between US and China

## Development Committee Report - Chair: Ezra Pryor

### Overview

The Development Committee Chair, Ezra Pryor, has maintained the implementation of its tiered sponsorship framework, initiated in January of 2020. Development Committee has also recently formulated a plan to solicit membership donations. The new [Development Committee Webpage](#), launched at the end of the year 2020, also provides general information and a call for donations and volunteers.

CANN is ecstatic to announce that it established the following tiered donors for the entire year 2020 and the beginning of the year 2021:

### **Tiered Donors:**

- ❖ Carbon Chemistry - Platinum
- ❖ Heidolph North America - Platinum
- ❖ CFS Consulting (Jerry King, PhD) - Gold
- ❖ Perkin Elmer - Silver
- ❖ Gen2 Therapeutics - Bronze

### **Membership Donations 2020:**

- ❖ Total - \$500

### **Membership Donations 2021:**

- ❖ Total - \$200

## Development Committee Report, Continued:

### CANN Tiered Sponsorship Levels and Benefits

 <b>CANNABIS CHEMISTRY SUBDIVISION</b> <b>SPONSORSHIP BENEFITS</b>					
	DIAMOND	PLATINUM	GOLD	SILVER	BRONZE
Listed as a Sponsor in Representative at ACS Meetings, Monthly Journal Club, & Quarterly Newsletters	✓	✓	✓	✓	✓
Journal Club Ads Annually	5	4	2	1	
Networking Events	4	3	2	1	
Newsletter Ad Per Year	4	3	1		
Networking Lead List	4	3	2		
Direct Email Members	✓	✓	✓		
Social Media Company Highlight	✓	✓			
Listed as Sponsor of ACS Symposium	2	1			

<b>BRONZE</b> 1.5K	<ul style="list-style-type: none"> <li>Listed as a <b>Bronze</b> sponsor of CANN for one year in the following:               <ul style="list-style-type: none"> <li>Sponsor slide deck at ACS National meetings</li> <li>Monthly Journal Club</li> <li>Quarterly newsletter</li> </ul> </li> </ul>
<b>SILVER</b> 4.5K	<ul style="list-style-type: none"> <li>Representation at one of our Networking Events</li> <li>1 Journal Club Ad</li> <li>Listed as a <b>Silver</b> sponsor of CANN for one year in the following:               <ul style="list-style-type: none"> <li>Sponsor slide deck at ACS National meetings</li> <li>Monthly Journal Club</li> <li>Quarterly newsletter</li> </ul> </li> </ul>
<b>GOLD</b> 9.5K	<ul style="list-style-type: none"> <li>Representation at two of our Networking Events</li> <li>2 Journal Club Ads</li> <li>Newsletter Ad (1 per year)</li> <li>2 Networking event lead lists</li> <li>Direct e-mailing to membership</li> <li>Listed as a <b>Gold</b> sponsor of CANN for one year in the following:               <ul style="list-style-type: none"> <li>Sponsor slide deck at ACS National meetings</li> <li>Monthly Journal Club</li> <li>Quarterly newsletter</li> </ul> </li> </ul>
<b>PLATINUM</b> 14.5K	<ul style="list-style-type: none"> <li>Representation at three of our Networking events</li> <li>Named as Symposium Sponsor for one ACS National Meeting session</li> <li>4 Monthly Journal Club Ads</li> <li>Newsletter Ad (2 per year)</li> <li>3 Networking event lead lists</li> <li>Direct e-mailing to membership</li> <li>Company Highlight on Social Media</li> <li>Listed as a <b>Platinum</b> sponsor of CANN for one year in the following:               <ul style="list-style-type: none"> <li>Sponsor slide deck at ACS National meetings</li> <li>Monthly Journal Club</li> <li>Quarterly newsletter</li> </ul> </li> </ul>
<b>DIAMOND</b> 50K	<ul style="list-style-type: none"> <li>Representation at four of our Networking events</li> <li>Named as Symposium Sponsor for two ACS National Meeting sessions</li> <li>5 Monthly Journal Club Ads</li> <li>Newsletter Ad (4 per year)</li> <li>4 Networking event lead lists</li> <li>Direct e-mailing to membership</li> <li>Company Highlight on Social Media</li> <li>Listed as a <b>Diamond</b> sponsor of CANN for one year in the following:               <ul style="list-style-type: none"> <li>Sponsor slide deck at ACS National meetings</li> <li>Monthly Journal Club</li> <li>Quarterly newsletter</li> </ul> </li> </ul>

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### Initiatives 2021

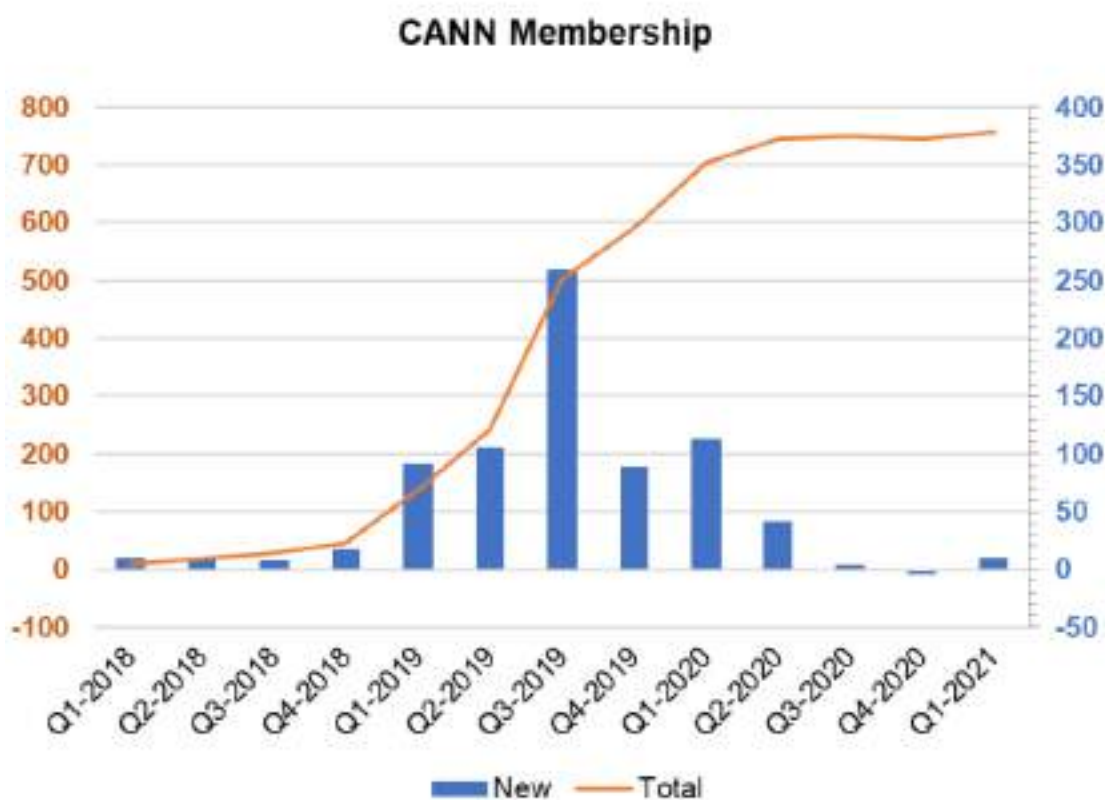
Development Committee has developed a personal donation framework to complement the current corporate focused donation framework. Development Committee met its aim to begin implementing personal donations in the fall of 2020, with several new personal donations received in the fall of 2020 and spring of 2021.

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 - Co-Chairs: Brandon Canfield, PhD, and Nick Mulder**

**2021 Membership Summary**

It has been an understandably challenging year, but outstandingly, CANN finished the first quarter of 2021 with an overall increase in members to 756, the highest membership level yet.



## ***Membership Committee Report, Continued:***

### **Newsletters**

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

- ❖ [Newsletters](#)

### **Website**

With the launch of CANN's new website and corresponding strategy to engage current and potential members, CANN offers two main webpages 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 feature "member highlights" to highlight CANN's amazing members and all that they have accomplished. The Membership Committee webpage additionally serves to provide committee specific information and resources.

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

### **Initiatives 2021**

CANN continues its focus in 2021 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

## 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 end of year 2020 and year 2021.

### 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 developed the new Publication Committee Webpage:

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

### Fall 2020 Cannabis Science & Technology Webinar

- ❖ Event name: Trends in Cannabis Extraction: Scaling Up and Purifying for Desired End Products
- ❖ Date: November 18<sup>th</sup>, 2020
- ❖ Description: Webinar session in collaboration with Cannabis Science & Technology Magazine, hosted 3 presentations in live and on-demand format.
  - Three leading cannabis scientists presented their work related to various extraction, purification and formulation techniques. As growth in the extraction and formulation sectors continue to grow, this two session series highlights examples of how companies can scale experimental manufacturing techniques as well as considerations to weigh when designing a new product or facility.
  - Main topics covered:
    - Non-standard extraction solvents to include acetonitrile
    - Nanofiltration and cleanup processes
    - Discussion of pesticide screening for intermediate and final products and potential sources of contamination
- ❖ Live attendees: 198
- ❖ On-demand views to date: 95

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***Programming Committee Report, Continued:***

**2021 National Meeting Programming Summary**

**Spring 2021 Virtual ACS National Meeting**

**Live Sessions:**

- ❖ Women in Cannabis: Shaping an Emerging Industry  
7 oral presentations
- ❖ Advancements in Cannabis Analytical Methods  
8 oral presentations
- ❖ Cannabis Derived Treatments for Specific Medical Conditions: Macromolecular Interactions and Justifications  
10 oral presentations
- ❖ ElSohly Award Symposium  
3 oral presentations

**Fall 2021 ACS National Meeting, Atlanta, GA**

- ❖ 6 sessions planned
  - ❖ Cannabis Aerosols: Safety & Analytics
  - ❖ Cannabis Nanotechnology: Applications, Efficacy, and Safety
  - ❖ Fundamentals in Cannabis Research
  - ❖ Molecular Diagnostics for Plant Pathogen Identification in Cannabis and Hemp
  - ❖ Chemical Technology of Hemp as a Renewable Material  
(co-sponsored with Cellulose Division)
  - ❖ Regulation and Pest Management in Cannabis Crops  
(co-sponsored with Agrochemicals Division)

**Regional meeting (Northwest—NORM)**

- ❖ Originally scheduled for June 2020, postponed until 2021 due to COVID-19
- ❖ Hosting/organizing one session with 4-6 presenters



## Publication Committee Report - Chair: Nigam B. Arora, PhD

### 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

CANN partnered with ACS Chemical Health and Safety as Editor's Choice for the open access publication of its conference proceedings from the Fall 2020 CANN Virtual Symposium. Further details on the publication is provided below:

#### Fall 2020 Proceedings

- ❖ Published January 2021 ahead of the Spring 2021 symposia
- ❖ Received over 4,206 views to date
- ❖ Contained contributions from 16 presenters
- ❖ See the full document [here](#)

pubs.acs.org/acschas

Commentary

## Fall 2020 Proceedings of the Cannabis Chemistry Subdivision

Nigam B. Arora<sup>\*</sup> and Jacqueline L. von Salm



Cite This: ACS Chem. Health Saf. 2021, 28, 73–93



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**ABSTRACT:** The cannabis industry is unique in many facets; most of them products of history. Cannabis has been prevalent in society for millennia, but for the period between 1937 and 1997 prohibition was imposed in the United States stifling research and creating an unregulated market. From 1997 to present, starting with California, there has been a wave of state-by-state legalizations. Each of these states has individual regulations that operators must comply with. For those working with hemp (cannabis containing less than 0.3% THC by dry weight), there is an entirely different framework of federal regulations. As an unfortunate consequence of this history, the science of cannabis along with the safety culture are relatively unevolved compared with other modern industries. In 2015, the Cannabis Chemistry Subdivision (CANN) of the division of Chemical Health and Safety (CHAS) was recognized by the American Chemical Society (ACS). Since its inception, CANN symposia at ACS National Meetings have served as the premiere venue for cannabis chemists and scientists to share their research, much of it related to improving the health and safety culture in the industry. This proceedings publication highlights 16 presentations that were given at CANN symposia during the Fall 2020 ACS National Meeting. Topics covered include analytical testing methods, consumer education and protection, formulation science, intellectual property considerations, best practices for pharmacokinetics and dosing studies, assessment of smoke exposure, and more.

**KEYWORDS:** cannabis industry, Cannabis Chemistry Subdivision, ACS National Meeting, cannabis safety culture, symposia

## Publication Committee Report, Continued:

### 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 the graphics and links of sessions held in 2021 to date:

- ❖ January 2021 - Amber Wise, PhD  
Cannabis Vaporizer Aerosols: Nonpolar Methods for Collection and Analysis of Ten Metals
- ❖ February 2021 - Jerry King, PhD  
The Importance of Solubility in Cannabis/Hemp Extraction, Processing, Product Formulation, and Packaging
- ❖ March 2021 - Avery N. Gilbert, PhD  
Cannabis Terpenes: Cultivar Markers, Aroma Sources, or Active Ingredients?

**CANN's Journal Club  
LIVE WEBINAR**  
January 22nd, 2021 @ 11am PST

Hosted by L.A.M.S., the Cannabis Chemistry  
Subdivision of the American Chemical Society

Moderated by Megan B. Ayres, PhD  
Followed by Q&A Session

**Cannabis Vaporizer Aerosols:  
Nonpolar Methods for Collection  
and Analysis of Ten Metals**

Amber Wise, PhD

Amber Wise earned her PhD in Chemistry from UC Berkeley and was a Postdoctoral Fellow at UC San Francisco. Before transitioning to the Cannabis industry, Dr. Wise was a chemistry lecturer and professor for 7 years at universities in San Francisco, Boulder, and Chicago. After moving to California in 2015, she met the Scientist in Charge at Pacific Agriculture in Huntington and Oregon for two years, overseeing the cultivation, extraction and refinement, isolation, and formulation of cannabis extracts and cannabinoids, and was the lead scientist for the cultivation and processing of cannabis. Dr. Wise also designed and processed microalgal biomass for bioethanol and other cannabis-related products, and was involved in the development of cannabis products. In November 2020, she joined Pacific Agriculture Analytical (PACA), a unit of the Pacific Trust, as their Science Director. PACA is a 99% state-owned testing facility for 100% cannabis products and is the first cannabis testing lab in the state to also achieve ISO 17025 accreditation. Dr. Wise is the Program Manager for the Cannabis Chemistry Division of the American Chemical Society and serves on the ACS Council. She enjoys hiking, gardening, and enjoying the outdoors in the Pacific Northwest.

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**Publication Committee Report, Continued:**

**CANN's Journal Club  
LIVE WEBINAR**  
February 22<sup>nd</sup>, 2021 @ 11am PST

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

Moderated by Norman B. Arora, PhD  
Followed by Q&A Session

**The Importance of Solubility  
in Cannabis/Hemp Extraction,  
Processing, Product Formulation,  
and Packaging**

**Jerry King, PhD**

Dr. King has over 37 years of experience in the field of chemistry, chemical engineering, and food technology. He has worked in many, many, industrial, academic, and research environments. Dr. King has published over 275 papers, including government reports and peer-reviewed journals. He is a frequent speaker at international conferences and is a frequent contributor to the field of food technology. He is a frequent contributor to the field of food technology. He is a frequent contributor to the field of food technology. He is a frequent contributor to the field of food technology.

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**CANN's Journal Club  
LIVE WEBINAR**  
March 22<sup>nd</sup>, 2021 @ 11am PST

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

Moderated by Norman B. Arora, PhD  
Followed by Q&A Session

**Cannabis terpenes:  
Cultivar markers, aroma sources,  
or active ingredients?**

**Avery N. Gilbert, PhD**

Avery N. Gilbert, PhD is a smell scientist and founder of Haptique Sensory LLC, which applies sensory analysis to product development and consumer research in the cannabis space. Previously a faculty member at the Monell Chemical Senses Center and VP of Sensory Psychology at Christian Fragrances, he is a longtime independent scientific consultant at Sensathetics, Inc.

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***Publication Committee Report, Continued:***

**Initiatives 2021**

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: Brittaney Dowd

### Overview

In 2020, Public Relations Committee made immense progress in expanding CANN's online presence, information dissemination, and branding. Of particular note, PR Committee led CANN's effort to launch its new website, now live:

- ❖ [cann-accs.org](https://cann-accs.org)

The website took 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. The PR Committee Chair also drove the development of committee specific landing pages, including biographies, headshots, and contact information of each CANN officer and executive committee chair to enhance the transparency and communication from CANN's EC. CANN plans to continually develop the website to optimize user experience and add features and member portals as they are established.

### Administrative Updates

PR Committee Chair Brittaney 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](#)

## ***Public Relations Committee Report, Continued:***

### **Social Media**

Volunteers - content sourcing

- ❖ Yvonne DePorre

Metrics

Social Media Platform	Followers/Subscribers	Likes
Instagram	2,645	NA
Facebook	2,085	1,968
Twitter	2,297	NA
LinkedIn	1,392	NA
YouTube	110	NA

### **Graphic Design**

Volunteers

- ❖ Selina Lee

Design Request Forms

- ❖ Created 3 design request forms to streamline marketing material communication and improve efficiency for the design and editing process. The three request forms are for:
  - General
  - Event
  - Speaker
- ❖ The design request protocol is as follows:
  - Request forms are to be completed and submitted at least two weeks prior to the desired deadline
  - Submitters are copied into the email thread with designers to allow edits and suggestions to be made directly to the designer.



## ***Public Relations Committee Report, Continued:***

### **Logos, Branding, and Templates**

- ❖ New logo created and implemented design
- ❖ Ongoing graphics:
  - Journal Club
  - ACS Meeting & Programming Schedule
  - Event promotion

### **Website**

#### **Volunteers**

- ❖ Yvonne DePorre
- ❖ Trained on Wordpress to edit as needed

#### **Domain name change**

- ❖ [cann-acs.org](http://cann-acs.org)

#### **New features on website**

- ❖ Volunteer and mentorship opportunities
- ❖ Cannabis industry Job Board
- ❖ CANN Member Forum - Discussion board
- ❖ Member Highlights and Publications
- ❖ Member Portals - exclusive access with membership
- ❖ Calendar of events and registration links
  - Submit abstracts for ACS National Meetings
- ❖ ElSohly Award information and submission link
- ❖ Publications
  - ACS proceedings
  - Press Releases
- ❖ Journal Club recordings and registration link
- ❖ Tiered Sponsorship opportunities outline and logo representation

### **Community Outreach**

#### **University Programs**

- ❖ [https://drive.google.com/file/d/1uSqJ\\_aopeVV3827Xl5V2NRUKYZbcW50-/view?usp=sharing](https://drive.google.com/file/d/1uSqJ_aopeVV3827Xl5V2NRUKYZbcW50-/view?usp=sharing)
- ❖ List of universities offering cannabis chemistry based courses and reach out to involve students in CANN
  - Encourage professors to provide incentive for student involvement in CANN
    - Find articles, provide a caption and hashtags to be featured on CANN's social media. This encourages students studying cannabis chemistry to be more involved in the community as well as keeping up with current events.

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***Public Relations Committee Report, Continued:***

- ❖ List of BIPOC owned cannabis businesses
- ❖ Minority programs for cannabis business and research opportunities
  - [https://docs.google.com/document/d/1oSLjbeOyaJ4dOl4X1P\\_e5-rthv6ft4z7oVUAzKc8XFA/edit?usp=sharing](https://docs.google.com/document/d/1oSLjbeOyaJ4dOl4X1P_e5-rthv6ft4z7oVUAzKc8XFA/edit?usp=sharing)



## Senior Advisory Committee Report - Chair: Russ Phifer

### Overview

The CANN Senior Advisors are comprised of 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

The members of this committee have been extremely impressed with the overall direction, leadership, documentation of activities, and the sheer volume of accomplishments of CANN since its inception. They have enjoyed watching the growth of CANN, and stand ready to assist any way possible in helping CANN achieve its goal of probationary Division status in the next year. They urge CANN leadership to stay the course and continue to expand membership and involvement of members.

### Cannabis Chemist Certification

Senior Advisory Committee Chair Russ Phifer has developed the framework of a Cannabis Chemist Certification program to provide a professional certification resource for cannabis chemists in the field. CANN looks forward to continuing development of the certification for finalization and implementation into the cannabis scientific community, aimed to be launched in 2021.



## DIVERSITY EQUALITY INCLUSIVENESS RESPECT DEIR

Diversity in the workforce brings significant value to the employer<sup>i</sup>. Diversity in society broadens perspective, improves person to person socializing and creates a culture of openness and growth<sup>ii</sup>. The ACS as a business demonstrates how to grow diversity and the success it brings. Diversity within the chemical enterprise should be review and positive changes implemented.

This networking event is a DEIR conversation. Please join us.

When: **WEDNESDAY 21 APRIL** during the ACS Spring Meeting  
**10:00 am – 11:00 am PDT**

Where: Meeting Zoom Portal CHAS Networking Link



The event is co-hosted by:

- Division of Chemical Health and Safety (CHAS)
- Division of Business Development and Management (BMGT)
- Division of Small Chemical Businesses (SCHB)
- Committee on Chemical Safety (CCS)
- Board Committee on Corporation Associates (CA)
- ACS Committee on Meetings & Expositions

The event leaders are Dave Finster ([dfinster@wittenberg.edu](mailto:dfinster@wittenberg.edu)) and Neal Langerman ([neal@chemical-safety.com](mailto:neal@chemical-safety.com); contact either Dave or Neal for more information).

The agenda is a work in progress. This is an open conversation, with limited formal presentation.

- DEIR – the problem
- Joining a conversation is difficult.
- Recognizing “other”
- Personal pronouns
- The long haul – improving DEIR in our profession.



<sup>i</sup> <https://www.forbes.com/sites/rsmdiscovery/2018/08/22/why-workplace-diversity-is-so-important-and-why-its-so-hard-to-achieve/?sh=1e0b284b3096>

<sup>ii</sup> <https://www.uopeople.edu/blog/what-is-cultural-diversity/>

## Programming Committee Report

ACS Spring 2021, San Antonio Virtual

Debbie Decker and Joe Pickel

We learned many things from the virtual Fall 2020 meeting. It was a different way of attending a meeting but it was also an opportunity for speakers to be able to participate virtually who might not otherwise be able to travel to a national meeting. The ACS team listened carefully to the program chairs and took to heart most of our suggestions and feedback and it felt like a true collaboration.

**Spring 2021 Virtual Meeting:** Theme: Macromolecular Chemistry: The Second Century (moved from Spring 2020/Philadelphia). Symposia being presented are (see CHAS-At-A-Glance for schedule details):

- CHAS Poster Session (Pickel);
- CHAS Awards (Brown);
- Safety Across the Scientific Disciplines: Where are the successes and what needs improvement (Stuart, Multari);
- Systems Thinking in Chemical Health & Safety (Stuart);
- Advancements in Cannabis Analytical Methods (Wise);
- Women in Cannabis: An Emerging Industry (Wilcox);
- ElSohly Award (Sponsored by Heidolph North America) (Wise);
- Cannabis Derived Treatments for Specific Medical Conditions (Wise)

There are several networking events sponsored by the Division, including “Getting the Most out of Professional Meetings,” “Preparing your NSF GFRP Application,” “Diversity, Equity and Inclusion in health and safety,” and “Writing Safety Statements for Publication.” Each session will also have a networking room available for additional conversation and conviviality.

**Fall 2021 Meeting:** The Call for Papers for the Fall 2021 meeting in Atlanta has gone out and MAPS will close on **April 12<sup>th</sup>** for submissions. At the moment, the meeting is planned to be a hybrid of virtual and in-person presentations. This offers expanded opportunities to authors who may not be able to travel to the meeting to present their work. Symposia planned are:

- CHAS Awards (Invited) (Brown);
- General Papers (Decker, Pickel);
- CHAS Posters (Pickel);
- Moving forward: Lessons Learned from Pandemics, Extreme Weather Events, Fire Storms & More (invited) (Langerman);
- Safety Leadership and Diversity (Koza);
- Designing & Operating Facilities with Safety in Mind (Incarvito, Pickel);
- Chemists with Disabilities/Chemical Health & Safety for Disability Support (Decker);
- Cannabis Nanotechnology: Applications, Efficacy & Safety (Arora);
- Fundamentals of Cannabis Research (Arora, Wise);

- Molecular Diagnostics for Plant Pathogen Identification in Cannabis & Hemp (Ross)

**Spring 2022 Meeting:** With a theme of “Bonding Through Chemistry,” the Spring 2022 meeting is scheduled for March 20-24 in San Diego, CA. There is no indication at this time as to whether the meeting will be held in person, virtually or as a hybrid.

**We are looking for the next Programming Chairs!** Debbie and Joe have served as programming chairs for >5 years and will be vacating these roles over the next year so we are looking to identify new volunteers for these roles so that they can be trained in the mystical ways of ACS programming. Because successful programming contributes to the Annual Division funding allocation (by means of number of symposia, papers, participants at national meetings) as well as visibility for the division, this is a critical role! A brief job description is provided on the next page and interested persons are welcome to contact Debbie or Joe to learn about the process.

The Programming Committee is a standing committee of CHAS

From the [administrative manual](#):

(1) The composition of this committee shall be at least three Division members, shall be appointed as chair by the Chair of the Division as mentioned elsewhere in these bylaws. Another member shall be designated as the anticipated successor to the committee chair.

(2) Duties and responsibilities shall include administering the programs and symposia of the Division at national and other meetings of the SOCIETY and at other meetings. The Programming Committee shall have authority to accept or reject papers submitted for presentation, in accordance with the ACS Governing Documents

Function: The Programming Committee selects technical symposia topics, reviews proposed symposia from organizers, prepares the preliminary and final programs for national ACS meetings, provides information for ACS Meeting Calendar and Program Deadlines in Chemical & Engineering News, processes sponsored speaker registrations (upon request of symposium organizer) and special audiovisual equipment requests for ACS meetings, reviews and accepts/rejects all abstracts (as appropriate). The Programming Committee reserves locations for Division-Sponsored workshops (typically held on Friday and Saturday before the National meeting) and for the Executive Committee Meeting Breakfast (typically held on Sunday morning of the National meeting) and orders catering for each event (coffee service for Workshops, breakfast for the EC meeting). 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.

Tasks	Time Frame
The committee selects topics for technical symposia and reviews proposed symposia from organizers.	At the national ACS meetings and throughout the year, especially at the time of submission of program deadlines to ACS. (~fall for spring meeting, spring for fall meeting)
Prepare preliminary and final programs. They schedule the symposia and papers within the program, in accordance with ACS requirements.	Deadlines for these programs are set by ACS. They generally are due from 3 to 4 months before the national meeting.
Request sponsored speaker registrations. Request rooms for symposia and CHAS official events and any special audiovisual requests for the national meetings. Reserves venue and A/V for Division-sponsored workshops. Orders meals/refreshments for events.	Deadlines are set by ACS, but are at least two months before each national meeting.
The Programming Committee reviews all abstracts for relevance to the planned	Deadlines for these abstracts and the preliminary and final programs are set by ACS

symposia. They are empowered to reject irrelevant or poor abstracts.	They generally are due from 3-4 months before the national meeting.
The Programming Chair (or designee) is expected to attend the Leadership Development Conference sponsored by the ACS Council Committee on meetings and Expositions.	The Leadership Development Conference is usually held in January of each calendar year.

# ACS SPRING 2021

MACROMOLECULAR  
CHEMISTRY: THE  
SECOND CENTURY

#ACSSpring2021

## *Division of Chemical Health and Safety* Debbie Decker and Joseph Pickel, Program Chairs

Please join us for our Technical Programming and Workshops virtually for the Spring 2021 ACS National Meeting. We have listed for your consideration CHAS workshops, symposia, and cosponsored symposia. This outstanding set of talks will help you be successful and work safely.

### About Us

DCHAS is a technical division of the American Chemical Society. We have more than 1500 members and actively partners with other technical divisions and committees of the ACS, as well as sister organizations outside the ACS. We are the parent division of the ACS Cannabis Subdivision.

### Vision Statement

Improving people's lives through the power of best chemical health and safety practices.

### Mission Statement

The ACS Division of Chemical Health and Safety provides authoritative technical resources and mentorship in chemical and safety for all.

## *Chemical Health and Safety Symposia (times are PDT)*

### THURSDAY, APRIL 8, 2021

SYMPOSIUM	TIME	ABSTRACT	PRESENTER
<b>Systems Thinking in Chemical Health and Safety</b>  9:00 – 11:55 a.m. PDT 11:00 a.m. – 1:55 p.m. CDT Noon – 2:55 EDT	9:00 – 9:05 a.m.	Introductory Remarks	
	9:05 – 9:30 a.m.	Do your experiments fail safely?	Craig Merlic
	9:30 – 9:55 a.m.	Planning for Failure	Daniel Kuespert
	9:55 – 10:20 a.m.	Identifying leverage points in the chemical safety system	Ralph Stuart
	10:20 – 10:45 a.m.	Systems Thinking and Safer Chemistry by Design	David Constable
	10:45 – 11:10 a.m.	Use of geographic information in pursuit of systematic hazard recognition and control	Kimberly Jeskie
	11:10 – 11:35 a.m.	Ammonium nitrate explosions: Lessons learned	Qiongqiong Zhou
	11:35 – 11:50 a.m.	Discussion	
<b>Chemical Health and Safety Awards</b>  1:00 – 3:10 p.m. PDT 3:00 – 5:10 p.m. CDT 4:00 – 6:10 p.m. EDT	<b>Noon – 1:00 p.m.</b>	<b>Networking room</b>	
	1:00 – 1:30 p.m.	Awards Presentation	Kimi Brown
	1:30 – 1:55 p.m.	Making safety second nature at the University of Minnesota	Mahesh Mahanthappa
	1:55 – 2:20 p.m.	Focusing on safety: Building upon the history of a century old lab	John Dolhun
	2:20 – 2:45 p.m.	Bruce Lee and Safety Leadership	Robin Izzo
<b>Safety Across the Scientific Disciplines: Where are the Successes, and What Needs Improvements</b>  5:00 – 7:35 p.m. PDT 7:00 – 9:35 p.m. CDT 8:00 – 10:35 p.m. EDT	2:45 – 3:10 p.m.	Understanding the importance of community and resources within the research safety environment, as a beginning organization	Leon Omar
	5:00 – 5:05 p.m.	Introductory Remarks	
	5:05 – 5:30 p.m.	It is all interdisciplinary now. Safety across boundaries.	Frankie Wood-Black
	5:30 – 5:55 p.m.	Enhancing safety through emphasis of biological and toxicological concepts	Caroline Multari
	5:55 – 6:20 p.m.	Connecting biosafety and chemical safety training in the laboratory	Ralph Stuart
	6:20 – 6:45 p.m.	Student-generated videos: A model for developing written standard operating procedures in academic labs	Melinda Box
	6:45 – 7:10 p.m.	Enlisting the community in pursuit of laboratory safety: An update on the chemical safety library	Carmen Nitsche
	7:10 – 7:35 p.m.	Safety Across the Scientific Disciplines: Where are the Successes, and What Needs Improvements	George Ruger
	<b>8:00 – 9:00 p.m.</b>	<b>Networking room</b>	

**EXECUTIVE COMMITTEE MEETING**  
**Division of Chemical Health and Safety**

Thursday, April 15, 2021  
 9:00 to 10:00 a.m. PDT

*Join us by Zoom*

<https://princeton.zoom.us/j/92215412283>

**DISCUSSIONS and NETWORKING EVENTS**

April 8	4:00 – 5:00 p.m.	<b>DCHAS Networking</b>
April 12	4:00 – 5:00 p.m.	<b>Getting the most out of professional events</b>
April 14	4:00 – 5:00 p.m.	<b>Preparing your NSF GRFP application</b>
April 21	10:00 – 11:00 a.m.	<b>Diversity, Equity and Inclusion in health and safety</b>
April 22	10:00 – 11:00 a.m.	<b>Writing safety statements for publication</b>

***Cannabis Chemistry Symposia (times are PDT)***

SYMPOSIUM	TIME	ABSTRACT	PRESENTER
<b>MONDAY, APRIL 5, 2021</b>			
<b>Advancements in Cannabis Analytical Methods (afternoon)</b>  1:00 – 2:45 p.m. PDT 3:00 – 4:45 p.m. CDT 4:00 – 5:45 p.m. EDT	1:00 – 1:05 p.m.	Introductory Remarks	
	1:05 – 1:30 p.m.	Building consumer confidence - how to evaluate integrity and performance of cannabis testing laboratories and their data	Kimberly Ross
	1:30 – 1:55 p.m.	Cannabis horizons in science and technology	Shannon Swantek
	1:55 – 2:20 p.m.	Recent advances in the extraction and analysis of cannabinoids and terpenes from cannabis natural products	Federica Pellati
	2:20 – 2:45 p.m.	Novel approach for the preservation and augmentation of terpenes in cannabis inflorescence	Justin Bueno
	<b>4:00 – 5:00 p.m.</b>	<b>Networking room</b>	
<b>Advancement in Cannabis Analytical Methods (evening)</b>  5:00 – 6:45 p.m. PDT 7:00 – 8:45 p.m. CDT 8:00 – 9:45 p.m. EDT	5:00 – 5:05 p.m.	Introductory Remarks	
	5:05 – 5:30 p.m.	Nonpolar Aerosol Sample Collection: Improved Strategies for Heavy Metals Analysis of Inhaled Cannabis Products	Amber Wise
	5:30 – 5:55 p.m.	Analysis of cannabis vaporizer aerosols for 10 metals	Charlie McDaniel
	5:55 – 6:20 p.m.	Accelerated stability study to confirm duration of potency claims in topical cannabis products	Callie Chapman
	6:20 – 6:45 p.m.	The curious case of the missing delta-8	Mark Krause
	<b>8:00 – 9:00 p.m.</b>	<b>Networking room</b>	
<b>TUESDAY, APRIL 6, 2021</b>			
<b>Women in Cannabis: Shaping an Emerging Industry</b>  5:00 – 8:00 p.m. PDT 7:00 – 10:00 p.m. CDT 8:00 – 11:00 p.m. EDT	5:00 – 5:05 p.m.	Introductory Remarks	
	5:05 – 5:30 p.m.	Moving an industry forward: How women are shaping the future of cannabis	Melissa Wilcox
	5:30 – 5:55 p.m.	Legal and policy considerations for cannabis in the 117 Congress: L, R or down the middle	Tami Wahl
	5:55 – 6:20 p.m.	Intellectual property and business strategies in the cannabis landscape	Katherine Rubino
	6:20 – 6:45 p.m.	Cannabis as a treatment for neuropsychiatric conditions: A review	Paloma Lehfeldt
	6:45 – 7:10 p.m.	Medical cannabis dosage in individuals with epilepsy in clinical practice	Silvia Illamola
	7:10 – 7:35 p.m.	How has COVID-19 impacted the demand for medical cannabis?	Maha Haq
	7:35 – 8:00 p.m.	Technical requirements for international commodity grade cannabis flower and cannabinoids	Yvonne DePorre
	<b>8:00 – 9:00 p.m.</b>	<b>Networking room</b>	
<b>WEDNESDAY, APRIL 7, 2021</b>			
<b>The 2021 ElSohly Award Symposium Sponsored by Heidolph North America</b>  9:00 – 10:45 a.m. PDT 11:00 a.m – 12:45 p.m CDT Noon – 1:45 p.m. EDT	9:00 – 9:30 p.m.	Awards Presentation	
	9:30 – 9:55 a.m.	The role and drive of academic research in cannabis testing advances	Laura Mercolini
	9:55 – 10:20 a.m.	Overcoming challenges associated with analysis of all of pesticides regulated by California state in cannabis related matrices using a novel LCMSMS method with dual ESI and APCI source	Avinash Dalmia
	10:20 – 10:45 a.m.	A physicochemical approach for optimizing the solubility, extraction, fractionation, and packaging - cannabis constituents	Jerry King



SYMPOSIUM	TIME	ABSTRACT	PRESENTER
<b>Cannabis Derived Treatments for Specific Medical Conditions: Macromolecular Interactions and Justifications (afternoon)</b>  1:00 – 3:10 p.m. PDT 3:00 – 5:10 p.m. CDT 4:00 – 6:10 p.m. EDT	1:00 – 1:05 p.m.	Introductory Remarks	
	1:05 – 1:30 p.m.	Bench to bedside translation of PET radiotracers to image the endocannabinoid pathway	Neil Vasdev
	1:30 – 1:55 p.m.	Sustained-release polymeric microdepots for whole plant medical cannabis delivery	Almog Uziel
	1:55 – 2:20 p.m.	Patient-centric smart biosampling for the monitoring of cannabinoid-based therapies	Michele Protti
	2:20 – 2:45 p.m.	Recent developments in phytocannabinoid therapeutics	Peter Sampson
	2:45 – 3:10 p.m.	Novel pharmacology of plant cannabinoids from Cannabis sativa in vitro, in vivo, and in clinic	Robert Laprairie
<b>Cannabis Derived Treatments for Specific Medical Conditions: Macromolecular Interactions and Justifications (evening)</b>  5:00 – 7:35 p.m. PDT 7:00 – 9:35 p.m. CDT 8:00 – 10:35 p.m. EDT	5:00 – 5:05 p.m.	Introductory Remarks	
	5:05 – 5:30 p.m.	From designer drug to the discovery of selective cannabinoid type 2 receptor agonists for the treatment of autoimmune diseases	Lifang Yu
	5:30 – 5:55 p.m.	Turning over a new leaf in the search for cannabis-based therapeutics for childhood epilepsy	Jonathon Arnold
	5:55 – 6:20 p.m.	Chemical characterization of non-psychoactive Cannabis sativa L. extracts and evaluation of their antiproliferative activity	Federica Pellati
	6:20 – 6:45 p.m.	Further discussion of the essential medicinal chemistry of CBD	Kathryn Nelson
	6:45 – 7:10 p.m.	Microdosing and macrodosing hemp cannabis extract as an antidepressant, anxiolytic, and atypical antipsychotic: Putative molecular mechanisms as derived by first-person experience	Christina Miyabe-Shields
	7:10 – 7:35 p.m.	Vaginal delivery of cannabinoids: Learnings and potential impact on the female reproductive system	Carolyn Burek

### SCI-MIX

Friday, April 9, 2021

6:00 – 7:30 p.m.

A seminar-based chemical safety course for graduate students: during COVID Part 1, international events

*Lawrence Kolopajlo*

A seminar-based chemical safety course for graduate students: during COVID Part 2, specific chemicals

*Lawrence Kolopajlo*

Comprehensive chemical evaluation of aerosol constituents from JUUL Virginia tobacco 5.0% using non-targeted analysis: LC-HRMS analysis of e-vapor aerosols, data acquisition and processing

*Mark Crosswhite*

**Awards Committee Report**  
**ACS Spring 2021, San Antonio Virtual**  
Kimi Brown

**2021 Award Recipients**

The 2021 CHAS Awards will be presented at the annual CHAS Awards Symposium, at the Fall National Meeting.

[CHAS 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*

**Robert H. Hill, Jr., Retired,** Center for Disease Control and Prevention, Chemical and Physical Hazards Branch

[CHAS Graduate Student Safety Leadership Award](#)

Award given this year in honor of Sheharbano “Sheri” Sangji  
*Recognizing 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 or department. Award to be dedicated each year to a different historical figure in chemical health and safety.*

**Graduate Student Team Recipients:**

**Jessica De Young,** University of Iowa  
**Omar Leon Ruiz,** University of California, Los Angeles  
**Sarah Zinn,** University of Chicago  
**Cristan Aviles-Martin,** University of Connecticut

[Laboratory Safety Institute Graduate Research Faculty Award](#)

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

**Ian Albert Tonks, Ph.D.,** University of Minnesota

[SafetyStratus College and University Health and Safety Award](#)

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

**C. Eugene Bennett Department of Chemistry,** West Virginia University

[Howard Fawcett Award](#)

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

**Robert Toreki, Ph.D.**, Interactive Learning Paradigms, Incorporated (ILPI)

**No 2021 Nominations Received for:**

**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*

**Tillmanns-Skolnik Award**

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

**CHAS Student Registration Award** for their CHAS presentations at upcoming national meetings. 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. 2022 Award Nominations
  - a. The nomination period for the 2022 award year is expected to open no later than the end of April 2021.
  - b. The Awards Committee Chair will announce the opening of the nomination period by email to the EC and the DCHAS-L list and will ask for the announcement to be shared as appropriate through other forums.
2. Kimi's three-year term as Awards Committee Chair is up at end of 2021. We've identified a probable successor, who will begin shadowing all duties after the Spring 2021 National Meeting.

## Long Range Planning Committee Report – S21, SA TX, Virtual

### **ITEM 1: Approved and Updated Issuances since F20.**

#### **Approved 1/21/21**

- Administrative Issuance 505 – CHAS Sponsor’s Table – Updated to reflect that Development Committee Chair will set up the CHAS Sponsor’s Table
- Administrative Issuance 119 – Development Committee – Chair duties updated to reflect change in AI 505 above.
- Administrative Issuance 116 – CHAS Publications Committee – Listed as now obsolete.

#### **Other Issuance Updates**

- Update Audit Committee Issuance AI 104 to Reflect New Bylaws – Approved 2/18/2021. Updated.
- Awards Issuances 701, 703, 704, 707, 709 each updated for various language (mostly tax related).
- Award Issuance 710 - CHAS Graduate Student Safety Leadership Award added.

### **ITEM 1: From F20 – Update AI 008, 007, 110, & 503 to align with CHAS BYLAW V – Manner of Election.**

**The following is from the F20 Agenda Book, but I don’t think it was ever addressed. I could not find approval in minutes and I have not added any proposed changes to the AM on this. This is to align the noted Issuances with the new BYLAWS.**

#### **CHAS BYLAW V Manner of Election**

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

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

**There are several issuances affected by this BYLAW.**

#### **1. AI 008 Best Practices for Election Procedures: A Guide for Conducting Elections**

##### **Current:**

## 8 Reporting Election Results

The secretary or designated division officer reports the election results to the division. Following this action, the secretary reports the results to the ACS Executive Director at [c\\_vockins@acs.org](mailto:c_vockins@acs.org) for certification. The deadline, as designated in the bylaws, is June 17. Following the announcement of election results, ballots and a copy of the ballot mailing should be archived until the completion of the next election but no less than one year.

### **Proposed:**

- 8 After tabulating and validating the results, the secretary or designated division officer reports the election results to the division. The deadline, as designated by BYLAW V, Section 4, is July 1. Following the announcement of election results, **ballots and a copy of the ballot mailing should be archived until the completion of the next election but no less than one year.**

Following this action, the secretary certifies the results to the ACS Executive Director at [c\\_vockins@acs.org](mailto:c_vockins@acs.org) by December 1, **but preferably much earlier.** See [Frequently Asked Questions: Proper Election Procedures for Local Sections and Divisions](#).

### **Add to Section 12:**

- 12 Additional guidance on best practices can be located on the web from the [ACS Committee on Nominations & Elections](#).
2. **AI 007 Records Retention** – **There is no mention of archiving ballots for one (1) year.**
3. **AI 110 Nominations and Elections (N&E) Committee**  
**Question: The only date in the BYLAWS is July 1. Are we good with the other dates?**

### **Current:**

Secretary (or by the Treasurer if the Secretary is a candidate ).	Assemble and distribute ballot	On or before May 5
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Secretary (or by the Treasurer if the Secretary is a candidate ).	Receive and Count ballot	Within six weeks after the distribution or before June 17.	On or before June 17
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Secretary and  
Audit Committee

Review Results

Following the close  
of the election and  
prior to July 1.

Secretary (or by  
the Treasurer if  
the Secretary is a  
candidate ).

Notify the Chair of the  
results

On or before July 1

#### **4. AI 503 Secretary**

##### **Current:**

JUNE

- a. Receive election results from the contractor (if on the Nominations Committee)
- b. Notify Chair of election results. The Chair is responsible to send out congratulation or regret letters.
- c. Notify ACS office of election results. The deadline is June 17.
- d. If ballot contained any amendments, forward results and a copy of the ballot package to the ACS Committee on Constitution and Bylaws.
- e. Request reports from all Executive Committee members to be received one month prior to fall national meeting.

NOVEMBER

Send committee assignments for the ACS Yellow Book to ACS Divisional Activities. Office.

##### **Proposed:**

JUNE

- a. Receive election results from the contractor (if on the Nominations Committee)
- b. Notify Chair of election results. The Chair is responsible to send out congratulation or regret letters.
- c. Notify ACS office of election results. The results must be sent to Executive Director of the SOCIETY for certification no later than December 1.
- d. If ballot contained any amendments, forward results and a copy of the ballot package to the ACS Committee on Constitution and Bylaws.
- e. Request reports from all Executive Committee members to be received one month prior to fall national meeting.

NOVEMBER

- a. Send committee assignments for the ACS Yellow Book to ACS Divisional

Activities Office.

- b. The deadline for certification by the ACS of election results is December 1. Check to make sure you have sent the results.

## 5. AI 503 CHAS Chair Succession Schedule

### **Current:**

MAY/JUNE

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

See [AI 801, p. xx](#) for a sample letter.

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

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

JUNE 17

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

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

OCTOBER/NOVEMBER

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

### **Proposed:**

MAY/JUNE

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

See [AI 801, p. xx](#) for a sample letter.

Be sure Secretary or designated officer (if Secretary is on the ballot) tabulates and validates all newly elected officers. The secretary or designated division officer reports the election results to the division. Following this action, the secretary reports the results to the ACS Executive Director at [c\\_vockins@acs.org](mailto:c_vockins@acs.org) for certification by December 1 (preferably sooner).

As soon as election results are known, congratulate newly elected (no hyphen) persons.

JUNE 17

Ensure the election is conducted by June 17. See AI 110: Nominations and Elections (N&E) Committee.

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

OCTOBER/NOVEMBER

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

Be sure Secretary has sent the election results to the ACS Executive Director at [c\\_vockins@acs.org](mailto:c_vockins@acs.org) for certification by December 1.



## **Membership Committee Report**

### **ACS Spring 2021, San Antonio Virtual**

#### **STATUS REPORT**

1. The membership count as of February, 2021 is 1919 people. Thus, the Division is maintaining its recent growth in membership despite the large amount of confusion in the professional networking space due to Covid disruptions in travel, employment and professional development resources nationally.
2. In response to these networking challenges, the Division has launched two online networking initiatives: CHAS chats and a journal club. CHAS chats address issues of interest to the general membership, while the journal club focuses on issues related to academic laboratory research safety culture, specifically Laboratory Safety Teams. Both of these programs are active, attracting 10 to 25 for most sessions, with over 100 people attending sessions of pressing interest, such as managing teaching labs during the Covid pandemic. The content of these meetings is collected on the CHAS web site to serve as a reference for people unable to attend them live. In general, these web pages receive 85-100 views over the week after they are published.
3. The DCHAS-L e-mail list continues to be an active membership benefit with discussions covering a wide range of topics while maintaining a professional, while friendly, tone.

#### **ACTION ITEM**

Proposal for a new Research Laboratory Risk Assessment workshop. As an outgrowth of the eRAMP Innovative Project Grant, a group of 5 people (2 grad students, a chemistry faculty member, an EHS professional and a chemistry librarian) is developing content for a virtual workshop on research laboratory risk assessment using RAMP.

This workshop will complement the LST workshop by providing more technical depth to the risk assessment discussion presented there. We anticipate that a pilot version of this workshop will be ready this summer.

We propose to organize this through the Division similar to the way the LST workshop is, with a \$25 registration fee and no direct payment back to the Division for its marketing support. Because of the eRAMP funding available to support content development of this workshop, there is no anticipated cost to the Division to support this workshop in 2021. We anticipate offering this workshop in tandem with the LST workshop, about a month after each offering of the former.

Ralph Stuart is the organizer of this effort and is asking for Executive Committee go ahead for this workshop effort in 2021, with a report on its results to be provided at year end.

## **Workshops Committee Report**

### **ACS Spring 2021, San Antonio Virtual**

The Spring CHAS Workshop program was not nearly as successful as the Fall program in 2020. Both were virtual due to the global pandemic and the cancellation of in-person ACS meetings.

Three workshops received enough registrants to be held – the new half-day program on Writing Safety Statements in Journal Articles had 6 registrants and was subsidized by ACS Safety Office.

The Laboratory Waste Management workshop had 8 registrants and the Chemical Hygiene Officer workshop had 12. Since there was little to no expense associated with these presentations, they still represent a good profit center for the Division.

Since the Fall meeting is planned as a “hybrid” and no one knows at this point exactly what that means, we will delay decisions on how & what to present in conjunction with that meeting until more clarification is provided by ACS.

As always, I thank Mary Beth Koza for her diligence and hard work in handling registrations and Ralph Stuart for promptly adjusting posts as needed.

Russ Phifer

CHAS Workshops Committee

## **National Registry of Certified Chemists Liaison Report**

### **ACS Spring 2021, San Antonio Virtual**

The global pandemic has had little real impact on NRCC operations, since we have changed to an all electronic format for applications and testing. There have been some challenges in locating proctors due to closures of libraries and universities, but we have managed so far.

There were 26 new applications for CHO certification in 2020. There are approximately 250 currently certified CHOs. The new Industrial Hygiene Chemist certification program has gotten off to an extremely slow start, with only two applicants to date. AIHA has been slow to develop supporting training materials, but those are starting to come out now. We expect that will help considerably in spurring new applications.

We continue to work with the CANN Subdivision of CHAS on developing a certification program for cannabis chemists. NRCC has budgeted \$5000 to pay cannabis chemists to submit questions for the exam; we are currently about 50 questions short of being able to support the program. Anyone is welcome to submit exam questions for consideration.

Russ Phifer

Executive Director, National Registry of Certified Chemists