

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

Sunday, August 16 10 AM to Noon (Pacific Time)

<https://princeton.zoom.us/j/6512165169>

- | | |
|---|-------|
| 1. Welcome from Chair (Izzo) | 10:00 |
| 2. Officer Reports | 10:05 |
| a. Secretary (Wilhelm) (attachments 1 & 2) | |
| i. Approval of July minutes | |
| ii. Elections Results | |
| b. Treasurer (Koza) (attachment 3 with sub-attachments) | |
| c. Chair-Elect Report (Elston) (attachment 4) | |
| d. Councilors (Wood-Black, Decker) | 10:45 |
| e. Members-At-Large (Sweet) | |
| 3. Cannabis Subdivision Report (Bramante) (attachment 5) | |
| 4. Old Business | 11:00 |
| 5. New Business | |
| 6. Reports of the Standing Committees | 11:20 |
| a. Programming (Decker/Pickel) (attachment 6) | |
| b. Awards (Bush) (attachment 7) | |
| c. Long Range Planning (Sigmann) (attachment 8) | |
| d. Membership (Stuart) | |
| e. Journal (Miller) (attachment 9) | |
| 7. Reports of Other Committees | |
| a. Regional Meetings (Lassiter) | |
| b. Development (Incarvito) | |
| c. Government Relations (Miller) | |
| d. Social (Avadhanula) | |
| e. Educational Program (Phifer) (attachment 10) | |
| 8. Liaison Reports | 11:50 |
| a. Corporate Associates | |
| b. NRCC (Phifer) (attachment 11) | |
| 9. Reminders and Adjournment | |

DCHAS Executive Committee Conference Call Minutes

Action Items

Upcoming Calls

Every third Thursday
at 9:00am Pacific/12:00pm Eastern
Next call: August 20, 2020???

Meeting Details

- Date and Time: July 16, 2020 at 12:00pm ET, adjourned at 1:00pm
- Connection Details: Call In Number – (669) 900-6833 Meeting ID: 883714695
 - Online Alternative– <https://zoom.us/j/883714695>
- Attendees: Adi Avadhanula, Julia Bramante, Kimi Brown, Debbie Decker, Larry Doemeny, Harry Elston, Dave Finster, Ken Fivizzani, Marta Gmurczyk, Chris Incarvito, Robin Izzo, Mary Beth Koza, Dan Kuespert, Neal Langerman, Kali Miller, Joe Pickel, Sammye Sigmann, Ralph Stuart, Ellen Sweet, Doug Walters, Monique Wilhelm, Frankie Wood-Black

Discussion

- **Welcome/Roll Call**
- **Approval of January Minutes (attached) –approved**
- **Announcements (Robin)**
 - The ACS response to the letter for more live Q&A for Fall meeting was that they can't increase due to other special events some divisions are offering during the meeting
- **Treasurer Report (Mary Beth)**
 - 2020 year to date (July 16, 2020) summaries
 - CHAS i(ncludes CANN)
 - Total income \$89,184.88
 - Total Expenses \$18,401.92
 - Net Income **\$70,782.96**
 - \$42,000 of total income is the donations received for the CANN subdivision.
 - CANN Subdivision donations 42,000
 - CANN Subdivision expenses 7,209.60
- **Programming (Joe/Debbie)**
 - Atlanta – just a year away – theme Resilience – looking for Kavli speakers and more – likely to be a hybrid face to face and virtual meeting
 - **San Francisco**
 - There is a programming teleconference today to answer the many questions about presenting and requirement for the fall meeting.

- Presenters MUST register. They will be able to record presentations but will only be able to present it if they are registered
 - We have 2 live sessions with live Q&A each day Monday – Thursday with 4 talks each = 8 talks each day
 - ACS will supply online moderators and control, each session will have one of us as moderator as well.
 - 5 or 6 talks have been moved to Presentation on Demand
 - The award session has been postponed to San Antonio
 - CHAS At A glance will be electronic and posted on our website
 - You must register if you are attending or presenting any talks. If you are attending governance meetings only, you don't have to register for the meeting.
 - Virtual exhibit booth for Green Chem & CHAS, 4 buttons between the 2 programs to share, will get contact info for those that "visit" the booth for us to connect with
- **San Antonio**
 - Submissions in MAPS opens Sept 21
- **Workshops (Russ & Mary Beth)**
 - Grad totally sold out
 - CHO, Leadership, Waste are a go
 - Others have 2 and need more
 - Drop deadline is end of next week
- **Election Certification (Mary Beth & Monique)**
 - ACS deadline is later in the year
 - Sammye will review Articles of Inc and bylaws to determine if the date of submission deadline should be updated
 - Monique will submit this year's results to ACS as soon as she can – email to request early forms has been sent to Division@acs.org
- **Virtual Social (Neal & Adi)**
 - Monday or Tuesday? 5-7pm pacific time
- **Diversity (Neal)**
 - Division leadership lacks diversity
 - EHS profession itself also not diverse
 - Part of the problem may be profession not represented in high school career prep
 - Maybe we can reach out to NOBCCHE or <https://www.chemdiversity.org/> or <https://www.sacnas.org/>
 - <https://cen.acs.org/articles/85/i13/Chemists-Color.html>
 - Neal will take the lead on this
- **Remote Outreach (Robin)**

- Over 80 attended the first one
- Next Thursday the 23rd: Teaching labs during social distancing
- Title, presenters, number of attendees should be captured for our annual report
- Data about masks during the pandemic is a hot topic right now – maybe we could reach out to do it as an ACS webinar
- **ComSci Election (Robin)**
 - Do we want to submit a division nominee for 2021-2023 term. Due October 9th
 - Mary Beth serves on this committee for 2019 -2021
- **Journal (Kali)**
 - Lab Design & Sustainability special virtual issue
 - Still time to submit
- **CANN Report (Julia)**
 - Summer newsletter coming out this week
 - Election results announced
 - Finalizing Administrative Manual
 - Applications just closed for ElSohly awards
 - Exploring new creative ways of engaging members other than socials
- **Other**
 - Announcement: PacifiChem 2020 has officially become 2021, same location.

Attendance Confirmed

1 Attachment:

1. June Minutes

Respectfully submitted,
Monique Wilhelm

Secretary Report Fall 2020 National Meeting

2020 Election Results for 2021 Board Positions

1. CHAS Election
 - a. 273 responses
 - b. Chair-Elect: Chris Incarvito
 - c. Secretary: Monique Wilhelm
 - d. Member at Large: Kendra Denlinger
 - e. Councilor: Frankie Wood-Black
 - f. Alternate Councilor: Brandon Chance
2. CANN Election
 - a. 42 responses
 - i. 1 write in: Jackie Von Salm
 - b. 2021/2022 Chair: Julia Bramante
 - c. 2021/2022 Chair-Elect, 2023/2024 Chair: Kyle Boyar
 - d. Secretary: Melissa Wilcox
 - e. Treasurer: Mary Beth Koza

TREASURER'S REPORT

August 2020

Mary Beth Koza

Data as of August 7, 2020

Treasurer's comments

- Reimbursement requests due:
 - **1 September 2020**
 - Send reimbursement requests to
 - Mary Beth Koza (mbkoza2@gmail.com)
 - Note address changes in transmittal email & on form
 - All receipts in single PDF; XL file as Excel
 - Name files: Yourlastname_SF 2020
 - Financial condition of CHAS: Transition

BALANCE SHEET SUMMARY

		As of ...	31 December 2018	31 December 2019	31 July 2020
ASSETS					
	Current Assets				
		Checking/Savings	\$60,074	\$80,121	\$158,602.89
	Investments				
TIAA-CREF inception value as of 1/6/2015 \$89,514			\$97,702	\$116,444	\$113,639.75
Reserve Goal: 1.5 x Operating Budget \$189,750					
TOTAL ASSETS					
LIABILITIES & EQUITY	Liabilities		\$0	\$0	
	Equity		\$157,776	\$196,565	272,242.64
TOTAL LIABILITIES & EQUITY			\$157,776	\$196,565	

BUDGET SUMMARY

Calendar Year, 2019

	Budget, \$	Actual, \$
Income	\$120,700	\$159,676
Expenses	\$120,700	\$117,337
Operating Gain/Loss	\$0	\$42,340

BUDGET SUMMARY

2020 Calendar

Year to date

	Budget, \$	Actual, \$
Income	\$133,250	88,994.92
Expenses	\$116,425	18,774.47
Operating Gain/Loss	\$16,825	70,250.45

2020 Dues

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

2021 Dues

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

FINANCIAL DETAILS

- Documentation Attached
 - 2019 ACS Annual Report
 - 2019 Profit & Loss Statement
 - 2020 Profit & Loss Statement 7-31-2020
 - CANN P&L all years
 - CANN 2019 P&L

Chair-Elect Report
Division of Chemical Health and Safety
Fall 2020 (Virtually San Fran)

The Division continues to adapt to the ever-changing virtual environment to ensure that we meet our mission. In April, two “Ask Dr. Safety” sessions were hosted by Neal Langerman and me; the first focusing on general questions and the second on business continuity and recovery (which was later picked up by ACS Webinars). These sessions morphed into additional online discussions (CHAS Chats) hosted by other division leaders. I am proud to see us fill a needed gap as the country begins the COVID recovery. Likewise, our programming Chairs, Joe Pickel and Debbie Decker have been able to bring a packed virtual program for the fall meeting.

I do not know what CHAS's year will bring next year, but I am confident in our leadership team that we can provide high-quality services to our membership, virtually or in-person. We are learning what works (e.g. CHAS Chats) and I will be soliciting our leadership to facilitate these monthly discussions. Likewise, we continue to learn how we can improve our outreach within the Division and Society.

If you have an idea for a CHAS Chat, please do not hesitate to contact a member of the Division Leadership Team.

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

National Meeting Report

Fall 2020, Virtual - 260th ACS National Meeting

I. CANN Executive Committee

Chair

Julia Bramante

chair@cann-accs.org

Vice Chair

Kyle Boyar

chair-elect@cann-accs.org

Past Chair

Andrew Pham

phamcongandrew@gmail.com

Secretary

Melissa Wilcox

secretary@cann-accs.org

Awards Committee Chair

Kyle Boyar

awards@cann-accs.org

Chinese Section Chair

Hang Ma, PhD

chinese_section@cann-accs.org

Development Committee Chair

Ezra Pryor

giving@cann-accs.org

CANN Executive Committee, Continued:

Membership Committee Co-Chair

Brandon Canfield, PhD

membership@cann-accs.org

Membership Committee Co-Chair

Nick Mulder

membership@cann-accs.org

Member-at-Large

Bryant Jones

jone3608@umn.edu

Programming Committee Chair

Amber Wise, PhD

programming@cann-accs.org

Publication Committee Chair

Nigam B. Arora, PhD

publication@cann-accs.org

Public Relations Committee Chair

Brittaney Dowd

pr@cann-accs.org

Safety Committee Chair

Vacant

safety@cann-accs.org

Senior Advisory Committee Chair

Russ Phifer

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

Overview & Initiatives

Over the past year, CANN has experienced immense growth in all facets of its organization. From its current membership of 744 in 2020, to the expansion of its nine committees and their respective initiatives, there is ample testament to CANN's dedicated executive committee, volunteers, members, and community at large. CANN has worked diligently to innovate processes by which its scientific resources and community of leading professionals are connected and empowered to thrive. Correspondingly, CANN has identified opportunities to apply these same values in order to create collaborative solutions with its internal counterparts at the American Chemical Society. CANN's evolving ideas and work products are directly driven by its recognition of the importance to create a space that serves as a foundation of professionalism, scientific integrity, and inclusion for the engagement of the scientific and cannabis community.

Amidst the alteration of plans for many that has ensued due to the COVID-19 pandemic, CANN has maintained a trajectory of growth and has taken strides to adapt to new modes of communication and dissemination of knowledge for its members and wider audience. In the months since the pandemic reached the United States, CANN has managed to uphold some major accomplishments. Some highlights are outlined below:

- ❖ Spring 2020 Virtual Symposium, comprised of three sessions each with over 600 registrants and over 300 attendees
- ❖ Fall 2019 Proceedings Publication with Analytical Cannabis
- ❖ New web domain and website redesign
- ❖ Establishment of G Suite to provide a platform for volunteer and executive committee communication and membership engagement
- ❖ Successful tiered donor fundraising, at four total donors (2 platinum, 1 gold, 1 silver)
- ❖ Continued growth of social media following

Words from the Chair, Continued:

As CANN seeks to become an ACS Technical Division, it does so with the intent of simultaneously supporting the Technical Divisions, Local Sections, Committees, members, and stakeholders of the ACS. To accomplish this, CANN acknowledges its role to actively pursue opportunities for engagement, communication, and collaboration with its ACS affiliates.

In February of 2020, CANN held its first strategic planning session in which its executive committee members identified CANN's core values and goals in alignment with the ACS Strategic Plan. Key elements of the identified values and goals include professionalism, supporting scientific innovation and growth, legitimization of the scientific cannabis space, diversity and inclusion, and creating a premier resource for cannabis professionals. One of CANN's most immediate goals - to become a Technical Division within the ACS - identified building relationships and seeking opportunities for CANN to serve as a resource for its ACS colleagues as primary action items.

CANN's executive committee has expressed unanimous support in working to actively drive diversity and inclusion initiatives. Initial plans include establishing a standing Diversity and Inclusion Committee within the EC and working to develop collaborative partnerships with external partners such as the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers and Louis Stokes Alliances for Minority Participation. This has been noted as a key focal point for CANN's upcoming Fall 2020 Executive Committee meeting and strategic planning session.

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.

CANN 2020 Elections for the 2021-2023 Term

In May 2020, CANN held its first official election for its officer positions to span the 2021-2023 term. The results of the election are listed below (note: the treasurer position will only apply if CANN becomes a Technical Division within the 2021-2023 term):

- ❖ Chair - Julia Bramante
- ❖ Chair Elect - Kyle Boyar
- ❖ Secretary - Melissa Wilcox
- ❖ Treasurer - Mary Beth Koza

III. Committee Reports

Chinese Section Report - Hang Ma, PhD

Overview & Accomplishments

The Chinese section in CANN was newly formed in 2019 with the aim of developing connections and collaborations between CANN and entities including both academia institutes and industrial partners in China. Although it is known that China is the leading producer worldwide for hemp production and a fast-growing market for hemp derived products, cannabis in China is relatively a new field with complicated (and often ambiguous) regulatory policy. Thus, it remains a challenge for academia and industry segments in China to keep updated with various cannabis-related aspects including medical cannabis research, the cutting-edge technologies in cultivation and processing, business and marketing development, and social and economic impact. The Chinese Section Chair, Hang Ma, joined CANN in 2019 and was soon appointed into his role with the CANN Executive Committee. With a tremendous amount of help from other members of CANN, the Chinese Section has begun to flourish in its first year of existence. A few achievements include:

- ❖ Active participation in CANN events including attending executive committee meetings and CANN meetings at the ACS National Meeting in Orlando, FL, Spring 2019
- ❖ Exploration of collaborations with hemp related organizations in China (e.g. HCC, the major organization for hemp production and marketing). HCC has agreed to encourage its members to join CANN in 2020
- ❖ The Chinese Section Chair actively recruited speakers from CANN to present in Conference and Meetings in China. For instance, Jahan Marcu, PhD, and coworkers attended the Conference hosted by HCC in July 2019 in Haerbin, China, and Dr. Marcu's presentation was very well received
- ❖ Links of CANN webinars were shared to the Chinese community
- ❖ Reached out to Chinese cannabis communities in the US

Chinese Section Report, Continued:

Initiatives 2020

A few items are being developed and driven by the CANN Chinese Section in 2020:

- ❖ 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 - Ezra Pryor

Overview

The Development Committee Chair, Ezra Pryor, developed and implemented a new tiered sponsorship framework, initiated in January of 2020.

As of August, 2020, CANN is ecstatic to announce that it has established the following tiered donors for the year 2020:

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

CANN Tiered Sponsorship Levels and Benefits





CANNABIS CHEMISTRY SUBDIVISION
SPONSORSHIP BENEFITS

	DIAMOND	PLATINUM	GOLD	SILVER	BRONZE
Listed as a Sponsor in Presentations 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			

BRONZE
1.5K

SILVER
4.5K

GOLD
9.5K

PLATINUM
14.5K

DIAMOND
50K

- Listed as a **Bronze sponsor of CANN** for one year in the following:
 - Sponsor slide deck at ACS National meetings
 - Monthly Journal Club
 - Quarterly newsletter

- Representation at one of our Networking Events
- 1 Journal Club Ad

- Listed as a **Silver sponsor of CANN** for one year in the following:
 - Sponsor slide deck at ACS National meetings
 - Monthly Journal Club
 - Quarterly newsletter

- Representation at two of our Networking Events
- 2 Journal Club Ads
- Newsletter Ad (1 per year)
- 2 Networking event lead lists
- Direct e-mailing to membership

- Listed as a **Gold sponsor of CANN** for one year in the following:
 - Sponsor slide deck at ACS National meetings
 - Monthly Journal Club
 - Quarterly newsletter

- Representation at three of our Networking events
- Named as Symposium Sponsor for one ACS National Meeting session
- 4 Monthly Journal Club Ads
- Newsletter Ad (2 per year)
- 3 Networking event lead lists
- Direct e-mailing to membership
- Company Highlight on Social Media

- Listed as a **Platinum sponsor of CANN** for one year in the following:
 - Sponsor slide deck at ACS National meetings
 - Monthly Journal Club
 - Quarterly newsletter

- Representation at four of our Networking events
- Named as Symposium Sponsor for two ACS National Meeting sessions
- 5 Monthly Journal Club Ads
- Newsletter Ad (4 per year)
- 4 Networking event lead lists
- Direct e-mailing to membership
- Company Highlight on Social Media

- Listed as a **Diamond sponsor of CANN** for one year in the following:
 - Sponsor slide deck at ACS National meetings
 - Monthly Journal Club
 - Quarterly newsletter





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Membership Committee Report - Brandon Canfield, PhD, and Nick Mulder

Total Members as of June 2020

❖ 744 Members

Initiatives 2020

As of January 2020, CANN welcomed two new Membership Committee Co-Chairs, Brandon Canfield, PhD, and Nick Mulder. Brandon serves to fulfill the administrative tasks of Membership Committee leadership, while Nick leads membership communications and engagement. In the year 2020, CANN is focused 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.

This has led to the publication and dissemination of three quarterly newsletters to date. In addition to CANN Executive Committee updates, the format of the newsletters has evolved to include a “member highlight” section, highlighting a member’s biography and professional contributions to cannabis science. Links to the newsletters are provided below:

- ❖ [CANN Fall 2019 Newsletter](#)
- ❖ [CANN Winter 2020 Newsletter](#)
- ❖ [CANN Spring 2020 Newsletter](#)

The Membership Committee co-chairs have additionally developed and implemented a new, more streamlined membership email method, new metrics by which to monitor and review membership trends and critical points, and letters for new members and expiring members to communicate resources and prompt membership renewal.

Programming Committee Report - Amber Wise, PhD

Overview and Initiatives

CANN has established an initiative of creating co-sponsorship opportunities with other ACS technical divisions. In direct support of this effort, CANN is co-sponsoring a session at the Fall 2020 ACS National Meeting with the Multidisciplinary Program Planning Group of ACS.

CANN plans to continue driving 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.

Administrative Developments

CANN's Programming Chair finalized two guidance documents to help streamline Programming Committee roles and the abstract submission process:

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

2020 National Meeting Programming Summary

While the Spring 2020 ACS National Meeting was canceled due to the COVID-19 pandemic, CANN was able to partner with Cannabis Science and Technology (CST) to hold their Spring 2020 Virtual Symposium. CANN presented several sessions that were originally planned for the ACS Spring 2020 National Meeting & Expo. The two-day symposium featured more than a dozen talks from cannabis scientists, researchers, and industry experts on a wide array of topics presented during three sessions, each of which received over 600 registrants and over 300 viewers the day of the event. A full report of the Virtual Symposium is available [here](#), and a summary is listed below:

CANN Spring 2020 Virtual Symposium

Session 1: The 2nd Annual ElSohly Award Symposium

- ❖ Terpenoids of Cannabis sativa L. Analysis and Applications - Justin Fishedick, Integrated Analytical Solution
- ❖ Unique Terpene Metabolites as Descriptors of Cannabis Phenotypes and Products - Jacqueline von Salm, AltMed
- ❖ Thermal Degradation of Cannabis Extract Constituents: Mechanistic Insight - Jiries Meehan-Atrash, Department of Chemistry, Portland State University
- ❖ Collaborative Research for Fundamental Insight into Cannabis Production - Markus Roggen, Complex Biotech Discovery Ventures (CBDV)
- ❖ Inhibitory Effects of Cannabidiol (CBD) on the Growth and Development of Tobacco Hornworm Manduca sexta - Sang Hyuck-Park, Institute of Cannabis Research

Session 2: Advances in Cannabis Policy, Products and Personal Use

- ❖ Modern Industry Redefining Federal Policy - Tami L. Wahl, Policy Advisor, Washington D.C.
- ❖ Cannabis Is Personal: The Intersection Between Human Genetics and Cannabis - Len May, Endo Canna Health
- ❖ Edibles: The Chemistry Behind Orally Consuming THC - Samuel Adam, T. Bear Inc.
- ❖ Identity Crisis: How to Employ a Risk-Based Process to Identify What Factors Are Important to Assess During the Development and Production of New Cannabis Products - David Vaillencourt, The GMP Collective

Session 3: Breakthroughs: New Pathways for Cannabis Analysis

- ❖ On-the-Spot Detection and Speciation of Cannabinoids Using Organic Thin-Film Transistors - Benoit Lessard, Chemical and Biological Engineering, University of Ottawa
- ❖ Development and Optimization of Test Methods for Macro and Micro-Nutrients in Both Fresh Sap and Dry Cannabis Sativa Leaves Using ICP-MS and Microwave Digestion - Amber R. Wise, Medicine Creek Analytics
- ❖ Vaping-Induced Lung Injury and Vaping Chemistry - Robert Strongin, Chemistry Department, Portland State University
- ❖ Holding the Center: Kinetics of Cannabinoid Decarboxylation and Decomposition - Meagan Bauer, Northern Michigan University

Fall 2020 Virtual ACS National Meeting

Broadcast Technical Sessions:

- ❖ Mind the Gap: Specialized Cannabis Formulations -and- Cannabis & the FDA: Preserving Public Trust & Demanding Accountability (half day)
4 oral presentations
- ❖ Advancements in Analytical Testing: Compliance, Environmental Concerns, & Consumer Safety (full day)
8 oral presentations
- ❖ Cannabis, Soil to Oil: How Cannabis Sativa L. Products go from the Benchtop to the Marketplace (half day)
4 oral presentations
- ❖ Advances in Cannabis Extraction & Purification (half day)
4 oral presentations

On-Demand Sessions:

- ❖ Advancements in Analytical Testing: Compliance, Environmental Concerns, & Consumer Safety
5 oral presentations
- ❖ Dual Perspectives: Cannabinoid Dosing & Pharmacokinetics
6 oral presentations
- ❖ Cannabis, Soil to Oil: How Cannabis Sativa L. Products go from the Benchtop to the Marketplace
4 oral presentations
- ❖ Mind the Gap: Specialized Cannabis Formulations
2 oral presentations
- ❖ Advances in Cannabis Extraction & Purification
4 oral presentations
- ❖ Cannabis & the FDA: Preserving Public Trust & Demanding Accountability
2 oral presentations

Publication Committee Report - Nigam B. Arora, PhD

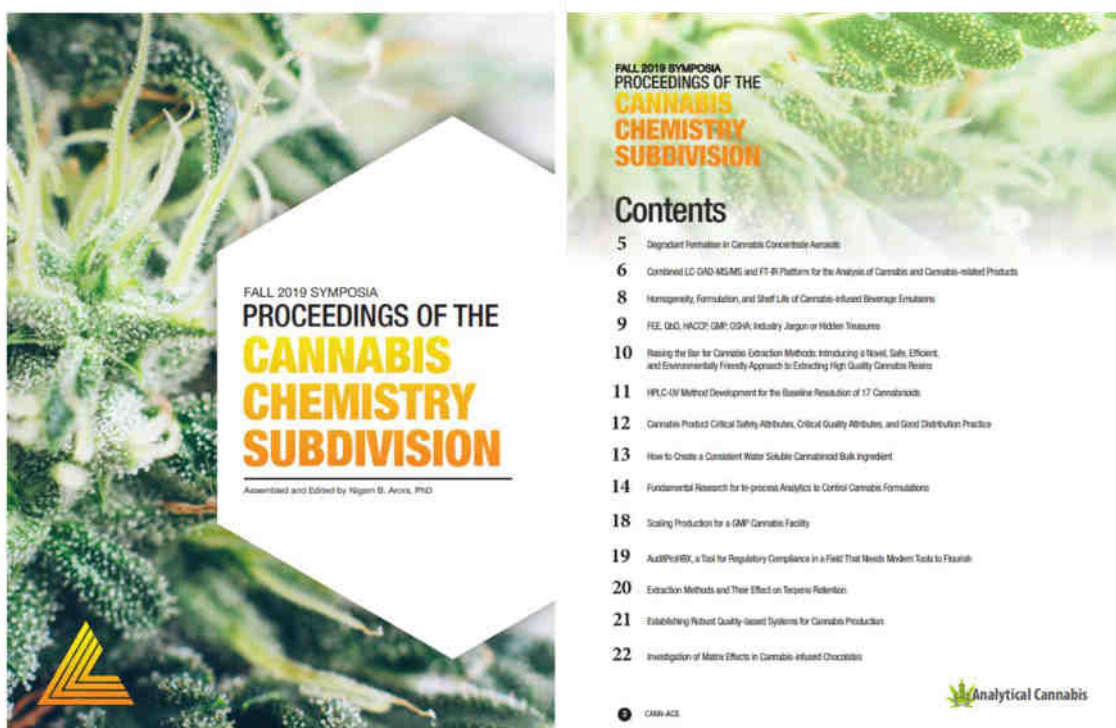
Overview

Publication Committee has grown considerably regarding the breadth of ongoing projects and audience from January 2019 to present. These include three finalized agreements, two for publishing of CANN conference proceedings from ACS National Meetings and one for providing content. CANN has also re-invigorated its long running Journal Club in which it showcases leaders in the cannabis space who present recent research and scientific advancements. Finally, internal discussions and due diligence have begun in regard to developing an open access peer reviewed journal focused on cannabis science.

Publication Committee Report, Continued:

Proceedings Partnership with Analytical Cannabis

Following the success of the inaugural proceedings publication, Publication Committee sought to replicate the process with another partner in order to reach a fresh audience. Talks were held with several potential partners and Analytical Cannabis (AC) was selected. An agreement for publication of the proceedings from CANN symposia at the 2019 ACS National Meeting in San Diego was finalized in February 2020. The issue contains 14 proceedings submissions as well as introductory letters from CANN's Chair, Julia Bramante, and Programming Chair, Amber Wise. The issue was published on AC's website and is available for download, free of charge, [here](#).



CANN has partnered again with AC to publish its Spring 2020 Proceedings from the slate of abstracts that were scheduled to take place at the Spring 2020 ACS National Meeting in Philadelphia, PA. Although the meeting was canceled, CANN sought this proceedings publication opportunity to still give presenters the opportunity to share their work with CANN's membership and network. The CANN Spring 2020 Proceedings are scheduled to be published August 12th, 2020 to be shared widely during the Fall 2020 ACS Virtual Symposium and to CANN's broad readership thereafter.

Publication Committee Report, Continued:

Journal Club

CANN Journal Club is structured as a live webinar where leading cannabis scientists give a presentation on a recent publication of theirs or a current hot topic in the industry. This is followed by a live question and answer session with the internet audience. The goals of Journal Club are to promote leading cannabis scientists and dissemination of their peer reviewed publications, expand CANN's audience, and build a content base that CANN can utilize for other purposes in the future.

CANN Journal Club has been long-running but historically has not benefited from standardization, consistent scheduling, and broad marketing. See below for a list of speakers and talks that have been hosted:

Month	Speaker	Title
March 2020	Susan Audino	Bringing Clarity to Under-Appreciated Numbers
April 2020	Linda Klumpers	Cannabis Antagonists: Disgraceful Downfall, Promising Prospects
May 2020	Monica Taing	Balancing Cannabis with Complementary & Alternative Medicine (CAM) Considerations During COVID-19
June 2020	Rod Kight	Cannabis and Cars - A Discussion of the Scientific and Legal Issues Raised by Driving and Cannabis Use
July 2020	Shannon Swantek	Cannabis Supply Chain Best Practices: Adding Value and Controlling Risk
August 2020	Robert Strongin	The Chemistry of Cannabis Vaping
September 2020	Kevin Boehnke	Chronic Pain and Medical Cannabis
October 2020	Monica Vialpando	Scientifically Valid Cannabis Formulations

Initiatives 2020

CANN Publication Committee seeks to continue operating and optimizing its various publication initiatives while also expanding to create further resources and member benefits. Some key developing projects include:

- ❖ Placing historical Journal Club content behind a paywall that would be free for CANN members and modestly priced for non-members, adding another benefit to CANN membership Perhaps most exiting
- ❖ Investigating opportunities for creating a CANN open access peer-reviewed journal
- ❖ Establishing a peer-review process for CANN publication projects

Public Relations Committee Report - Brittaney Dowd

Overview

The Social Media Committee has officially transitioned into the Public Relations (PR) Committee. This change was implemented to respond to CANN's growth and corresponding needs. In addition to expanding its social media outreach and promotion of CANN events and initiatives, under Brittaney Dowd's leadership PR Committee has on-boarded volunteers dedicated to graphic design and branding, as well as social media account posting and management.

In summary, the PR Committee encompasses the following:

- ❖ Website Development and Design
- ❖ Social media
 - Instagram, Facebook, Twitter, LinkedIn, and YouTube
- ❖ Direct contact with graphic designers
- ❖ Promotion of CANN activities and affiliates
 - Journal Club
 - Networking events
 - Conferences and National Meetings
 - Membership
 - Sponsorship
 - Call for volunteers
 - Jobs
 - University Programs
- ❖ Community Outreach
 - Universities for student involvement
- ❖ Protocol for speaking with the press and external partners

Administrative Developments

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. This includes resources for social media posts, determining what is appropriate to post on social media and other public forums, and how to locate materials relevant to CANN's brand and promotion. The document is located below:

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

Public Relations Committee Report, Continued:

Social Media

Metrics

Social Media Platform	Followers/Subscribers	Likes	Avg. Impressions/Post
Instagram	2,517	NA	2,000
Facebook	2,080	1964	NA
Twitter	2,275	NA	NA
LinkedIn	903	NA	NA
YouTube	76	NA	NA

Volunteer

- ❖ A new social media volunteer has been on-boarded and dedicated to posting contact and interacting with other accounts, as well as website maintenance and development.

Graphic Design

Sources

- ❖ Volunteers- CANN has two graphic designers who develop our fliers, marketing, and brand materials
- ❖ Empire Printing
 - \$50 per graphic design
 - Additional services for printing materials

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

- ❖ The PR Committee Chair is actively working with CANN's designers to redesign CANN's logo and establishing a uniform font and color scheme

Networking

- ❖ Facebook invites to personally reach out to members
- ❖ University Program Outreach
 - Compiled a list of universities offering cannabis chemistry and science based courses
 - Reach out to involve students in CANN
- ❖ Initiative:
 - Encourage professors to provide incentive for student involvement in CANN
 - Ask students to find scientific cannabis journal articles and publications and to 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 while staying apprised with current events

Website

CANN's website has been entirely redesigned, including migration to its new web domain name: cann-acs.org. The new website is set to launch August 15th, 2020.

Safety Committee Report

Overview & Initiatives

The CANN Safety Committee has been diligently developing a white paper on best practices and safety recommendations while performing solvent extractions from cannabis. The practices and recommendations have been developed by analyzing safety data sheets of each investigated solvent, recording exposure levels, Global Harmonized System hazard classifications, and other relevant safety standards.

As of July 2020, CANN is fielding nominations for a new Safety Committee Chair to be selected and placed to continue leading Safety Committee efforts into the year 2021.

Awards Committee Report - Kyle Boyar

Overview

It has been a great year of growth and improvement for CANN's Awards Committee. CANN changed the name from "Scholarship Committee" to "Awards Committee" to better represent its initiatives of expanding its award offerings and opportunities beyond just scholarship implications. CANN continues to offer the ElSohly Award and 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.

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 to 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.

2021 ElSohly Award

CANN received 8 applicants for the 2021 ElSohly Award. The scoring and selection of awardees is currently underway. Once awardees are selected, CANN will issue a press release with various publishing partners.

Awards Committee Report, Continued:

Initiatives 2020

To help streamline the abstract submission process for future awards, the ElSohly Award Selection Committee in conjunction with the CANN Chair formulated a new ElSohly Award application submission process via Google Forms, located [here](#). This new submission process will be released along with the CANN Q1 2020 Newsletter for the promotion of applicants for the 2021 ElSohly Award. Additionally, with the assistance of the CANN Chair and the help of CANN's parent Division CHAS, CANN has also established a new rubric by which 2021 ElSohly Award applicants are being be scored. These guidelines will be clearly relayed to future applicants so that they can tailor their submissions accordingly.

After a long run of successful leadership, the Award Committee Chair Kyle Boyar is passing the Award Committee leadership role on to previous ElSohly Awardee and longtime CANN member Michael Coffin, PhD.

Senior Advisory Committee Report - 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

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.

DIVISION OF CHEMICAL HEALTH AND SAFETY

About US

DCHAS is a technical division of the American Chemical Society. We have about 1500 members and very active in partnering with other technical divisions and committees of the ACS, as well as sister organizations outside the ACS. We are also 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 health and safety for all.



DIVISION OF CHEMICAL HEALTH AND SAFETY

Debbie Decker & Joseph Pickel
Program Chairs

Please plan on attending our Technical Programing and Workshops virtually for the Fall 2020 ACS National Meeting. We have listed for your consideration CHAS workshops, symposia, and cosponsored symposia. We believe we have put together an outstanding set of talks to help you be successful and work safely in your laboratory.

EXECUTIVE COMMITTEE MEETINGS SUNDAY MORNING By Zoom

10:00 AM – 12:00 PM PDT
**Division of Chemical Health
and Safety (CHAS) Executive
Committee Meeting**

WORKSHOPS

All CHAS Courses will start at 8 AM PDT (11 AM EDT) except for Lab Safety Workshop, which will begin at 7 AM PDT (10 AM EDT)

Tuesday, August 11, 2020

Laboratory Safety Workshop, Beyond the Basics – Jim Kaufman

Why it Went Wrong: Blame-Free Investigation of Lab-Scale Incidents – Harry Elston & Neal Langerman

Wednesday, August 12, 2020

Safety Leadership in the Chemistry Enterprise – Robin Izzo, Mary Beth Koza & Sammye Sigmann
Reactive Chemical Management for Laboratories & Pilot Plants Neal Langerman & Harry Elston

Thursday, August 13, 2020

Laboratory Waste Management 2020 – Russ Phifer

Friday, August 14, 2020

How to be a More Effective Chemical Hygiene Officer

Sunday, August 16, 2020 2:30 PM – 6:30 PM

Developing Graduate Student Leadership Skills in Laboratory Safety

Monday August 17 AM

**Managing Chemical Risk from
Bench to Market**

10:00 AM – 12:00 PM PDT
Broadcast Session

1. Transition from the academic laboratory to industrial employment **Abdallah Diagne**
2. New hire stories" Perspective from an industrial supervisor **Frankie Wood-Black**
3. Integrating risk assessment as a direct form of research skills development **Jessica Martin**
4. Managing chemical risk in agrochemical business **Vsevolod Rostovtsev**

Monday Afternoon - CHAS

**Managing Chemical Risk from
Bench to Market**

1:00 PM – 3:00 PM PDT
Broadcast Session

1. Building a culture of laboratory safety at Corteva Agriscience™ **Ann Buysse**
2. Approach to sustainable cleaning **Paul Lopolito**
3. Explosion hazards of sodium hydride in polar aprotic solvents **Qiang Yang**
4. Scale-up to fatality: Case study of ignoring MOC **Neal Langerman**

Tuesday August 18 AM

**How do I Develop, Grow & Sustain a Safety
Culture?**

10:00 AM – 12:00 PM PDT
Broadcast Session

1. Safety culture in the media **Ralph Stuart**
2. Formatting feedback for success **Melinda Box**
3. Don't Cut That! Lessons learned from a laser cutter fire **Daniel Kuespert**
4. "Essential" Cannabis Manufacturing in the COVID-19 Era: Sustaining Safety and Sanitation at a Distance **Alex Thompson**

Tuesday August 18 PM

**Mind the Gap and Cannabis & the FDA:
Preserving Public Trust & Demanding
Accountability**

1:00 PM – 3:00 PM PDT
Broadcast Session

1. AI and drug discovery : Search for new psychoactive candidates from cannabis sativa **Ramesh Jagannathan**
2. Product marketing: Bridge the gap between formulation science and consumer **Stefanie Maletich**

Tuesday August 18 PM Sessions
Mind the Gap and Cannabis & the FDA:
Preserving Public Trust & Demanding
Accountability (Cont.)

3. Does “cannabis-derived” mean to the public what it does to a chemist? Brad Douglass
4. “How recent federal court decisions and USPTO proceedings are shaping future cannabis intellectual property rights” Katherine Rubino

Wednesday August 19, AM Sessions
Advancements in Analytical Testing: Compliance,
Environmental Concerns, & Consumer Safety
10:00 AM – 12:00 PM PDT
Broadcast Session

1. Novel LC-MS/MS method with dual ESI and APCI ion source for analysis of California regulated pesticides and mycotoxins in medium-chain triglyceride (MCT) oil cannabis tinctures **Avinash Dalmia**
2. Automating Cannabis & Hemp Sample Preparation to Improve Pesticide Analysis and Sample Throughput **Toby Astill**
3. The role of applied molecular microbiology in increasing cannabis product safety and quality. **Khyrrah-Cymoné Shepard**
4. Analytical advances for the assessment of Cannabis-derived products in the European scenario **Laura Mercolini**

Wednesday August 19, PM Sessions
Advancements in Analytical Testing: Compliance,
Environmental Concerns, & Consumer Safety
1:00 PM – 3:00 PM PDT
Broadcast Session

1. Evaluation of a liquid chromatography and photodiode array detection method for the screening of 11 cannabinoids in hemp plant and oil samples as part of the NIST cannabis quality assurance program (CannaQAP) **Walter Wilson**
2. “Discovering the un-tapped channels of ISO accreditation: How laboratories add value to industry” **Shannon Swantek**
3. “Cannabis analysis: The intersection of scientific integrity, accountability, and analytical technology **Susan Audino**
4. USP Considerations for quality attributes of cannabis inflorescence for medical purposes **Nandakumara Sarma**

ACS Divisions of
Chemical Health & Safety
Small Chemical Businesses &
Business Development &
Management &
CHAS CANN Subdivision
Virtual Social

Thursday August 20, AM Sessions
Cannabis, Soil to Oil: How Products go from the
Benchtop to the Marketplace
10:00 AM – 12:00 PM PDT
Broadcast Session

1. Formulation strategies required to design fit-for-purpose oral cannabis products **Monica Vialpando**
2. Ready-to-run eMethods to aid rapid startup of your laboratory **Jennifer McCulley**
3. Stability in cannabis product development **Andrea Baillo**
4. Truly green plastic: Bio-based, biodegradable polymers from cannabis plant waste **Tarek Moharram**

Thursday August 20, PM Sessions
CHAS010: Advances in Cannabis Extraction &
Purification
1:00 PM – 3:00 PM PDT
Broadcast Session

1. Investigation of chocolate matrix interference on cannabinoid analytes **David Dawson**
2. Cannabidiol Isolation Including Cannabis-Relevant Pesticides Removal by Centrifugal Partition Chromatography **Árpád Könczöl**
3. Applying physicochemical chromatography techniques to optimize adsorbent use in the processing and analysis of cannabis **Jerry W King**
4. Making the case for biosynthesis to create & isolate cannabinoids at scale **Jeremy Friedberg**

ON DEMAND PRESENTATIONS
(available any time during the meeting)

CHAS 7: What a difference a job can make **Kenneth Fivizzani**
CHAS 10: Are recent graduates “industry-ready”? Perspectives from Europe **Al Ribes**
CHAS 12: Framework for integrating GIS to analyze and optimize the process safety in chemical supply chains **Nitin Roy**
CHAS 16: Why you should not put phosphorus pentoxide down the drain **Samuella Sigmann**
CHAS 17: On the explosive nature of hypervalent iodine compounds with tetrazole ligands: Safety lessons learned **Nicolay Tsarevsky**
CHAS 21: Environmental considerations for pesticide analysis in cannabis **Julie Kowalski**
CHAS 23: Future opportunities and challenges for testing volatiles in cannabis matrices **Alexander Maitan**
CHAS 24: Flavorable: New approaches to the analysis and toxicological assessment of cannabis vapor ingredients **Brad Douglass**
CHAS 25: Cannabis Extract Adulterants: Not all Rosin is Good **Jiries Meehan-Atrash**
CHAS 27: Sources of Uncertainty in Cannabis Urine Drug Screening **Ted Simon**
CHAS 29: Analytical testing to ensure regulatory compliance and safety of cannabis products **James Rice**
CHAS 34: Best practices in studying cannabinoid pharmacokinetics and dosing **Linda Klumpers**
CHAS 35: Pharmacy compounding strategies for the buccal administration of cannabinoids **Guillerm Moreno**
CHAS 36: Cannabis dosing: A nurse’s perspective **Elizabeth G Dost**
CHAS 37: Quantitative and qualitative control of cannabis infused products **Gene Ray**
CHAS 38: Synthesis and pharmacology of delta 8 THC **Samuel Adam**

ON DEMAND PRESENTATIONS
(available any time during the meeting)

CHAS 39: Low pressure gas extraction & chromatography of cannabis oil using N-butane & propane **Murphy Murri**
CHAS 40: Vacuum fractionation of cannabis oleoresins **Steven Hobbs**
CHAS 41: Considerations for the scaling of nanofiltration for processing cannabis and hemp crude oils **Ahmed Shuja**
CHAS 46: Heavy metal contaminants in cannabis vaporizer cartridges: Valid concern or blowing smoke? Kyle Boyar
CHAS 47: Chemical and biochemical research behind cannabis topical and transdermal products: formulation considerations **Carolyn Burek**
CHAS 51: Crystal structures of isolated cannabinoids; THCa, CBD, CBN, CBG **Michael Coffin**
CHAS 52: Identification of an unknown contaminant as the synthetic cannabinoid Δ 10-TH **Alexander Siegel**
CHAS 55: Centrifugal partition chromatography at industrial-scale: concept, instrumentation and applications **Róbert Örkényi**
CHAS 57: Scaling up ethyl acetate extractions of cannabis: From benchtop to production scale **Tyrell Towle**
CHAS 58: ACS’s strategic leadership in safety culture **Ralph Stuart**
CHAS 59: Student-led safety initiatives: Yes... we do have the time **Cristian Aviles Martin**
CHAS 60: Transform your safety culture in partnership with scientific staff **Martin Neitzel**
CHAS 67: Legalization of cannabinoid products and standardizing drug development: Pros, cons, and implications **Jahan Marcu**
CHAS 68: What do we really know about the health risks of cannabidiol (CBD) in products? **Thomas Lewandowski**

Awards Committee Report

Presented by Kimi Brown

2020 Award Recipients

The 2020 CHAS Awards will be presented at the annual CHAS Awards Symposium, at the Spring National Meeting. All presenter abstracts will be transferred to the Spring program.

The honorarium checks will be mailed in August and the award plaques and certificates will be delivered in person or by mail in March.

Committee Activities:

1. Please contact me if you have any interest in leading a canvassing effort for nominations. We're hoping to identify groups that we can market to for each award. Additionally, we may want to develop a nomination pipeline through a canvassing committee made up of representatives from each ACS region. Other ideas are welcome.
2. Succession planning of Awards Chair: I would like to identify a successor before the end of the 2020 calendar year. The 2021 award year will be the final year of my three-year term, and it will be helpful for the next chair to observe the procedures for a full award cycle if possible.
3. 2021 Award Nominations
 - a. The nomination period for the 2021 award year is open for submissions.
 - b. The nomination deadline is usually December 1, but it may be extended this year if needed.

Long Range Planning Committee Report – F20, Virtual

NOTE: ITEMS 1-3 have been carried over from the S20 Agenda Book.

ITEM 1: Progress on Issuance Updates Approved at F19 National Meeting, SD CA

Approved 8/25/19

1. AI 706 – CANN ElSohly Award details moved to CANN Admin Manual.
2. References to *Journal of Chemical Health & Safety* removed as noted in F19 Agenda Book.
3. AI 02 Division Organizational Chart updated to Reflect Bylaw Changes/Journal Sale

ITEM 2: Update Audit Committee Issuance to Reflect New Bylaws

Current:

DIVISION OF CHEMICAL HEALTH AND SAFETY Administrative Issuance 104

0 Audit Committee

1 Function:

The Audit Committee is ad hoc, meets at the request of the Division Chair and is tasked with examining the Division's treasurer accounts and/or books, and any other accounts within the division, as needed to ensure the financial integrity of the Division.

2 Date:

Original Issuance:

Revision: 04/93

Revised/Effective Date: 08/21/16

Proposed:

DIVISION OF CHEMICAL HEALTH AND SAFETY Administrative Issuance 104

0 Audit Committee

1 Purpose:

To supplement information in BYLAW IX Finances Section 4 (add link in Admin Man) which requires an annual audit of CHAS.

2 Function:

The Audit Committee is ad hoc and meets at the request of the Division Chair. The committee consists of the Chair, Chair Elect, and the Immediate Past Chair. This group is tasked with

examining the Division's treasurer accounts and/or books, and any other accounts within the division, ***at least annually*** to ensure the financial integrity of the Division.

The Treasurer shall provide the following documents for review.

- ACS Financial Annual report
- Annual Profit and Loss Statement
- Any other documents requested by the Audit Committee

3 Date:

Original Issuance:

Revision: 04/93, 08/21/16

Revised/Effective Date:

ITEM 3: Update AI 112 to Include Guidance for Establishing a New Award

Current: ADD text in red to Section 1.

1 Function:

The Awards Committee selects recipients for Division awards, formulates policies for selection of award recipients, identifies potential award recipients, and works with the Social and Programming Committees to arrange presentations and symposia related to the awards.

When a new award is proposed or an existing award is changed, the committee works with the sponsors or proponents, Executive Committee, especially the CHAS Treasurer, to develop guidelines for selection of recipients and presentation of the Award. **Specific guidance on new award development is provided in Section 5 of this issuance.**

The committee helps in arranging presentations and symposia.

New Section:

5 Development of a New Division Award

5.1 Initial Discussion

Discussions for development and of a new CHAS award are directed to the Awards Committee Chair who has discretion to further the proposal. Awards brought forth to the Executive Committee without involvement of the Awards Committee Chair or without financial backing will not be considered. The Awards Committee Chair will form an *Ad Hoc* committee consisting of the Chair, Treasurer, and Development Committee Chair to further determine if the suggested award idea is viable.

5.2 Financial Commitment and Award Naming Rights

Exclusive sponsorship with award naming rights begins at \$1000/year with a minimum five-year commitment. Below that threshold, CHAS reserves the right to seek additional sponsorship and shared naming rights. A letter of support signed by the Development Committee Chair and the Treasurer is required to confirm financial backing.

In cases where a donor requests anonymity, their identity shall be known to the Awards Committee Chair, the Treasurer, and the Development Committee Chair. The identity of the donor may be disclosed to other members of the Development Committee or to the Chair on a need-to-know basis.

5.3 Award Proposal

After financial backing is confirmed, the Awards Committee Chair will present a written proposal to the Executive Committee for discussion at a regular division meeting. The proposed award should be evaluated for alignment with the Division's mission.

Upon proposal approval by the EC, the Awards Committee Chair will work with the sponsor and members of the Awards Committee to develop an Administrative Issuance for the proposed award. Final approval of the new award AI will be at a spring or fall National Meeting.

Following final approval, the new award will be announced to the membership.

The award proposal must include the following information:

- Year first awarded (intended)
- Sponsor name and contact information (unless donor is anonymous)
- Award amount + other recognition (pins, plaques, etc.)
- Intended use of honorarium (if applicable)
- Number of awards granted per year
- Individual or team award
- Eligible sources of nominations
- Whether a confirmation site visit shall be required
- Statement of award purpose
- Description of eligible nominees
- Award criteria
- Required support for nomination
- Site visit criteria (if applicable)
- What, if any, involvement will the donor have in evaluating nominees?

- What, if any, are the expectations of the award recipient?
- What, if any, suggested methods are there for sourcing nominations specific to this award?
- Notes on award notification process (if applicable)
- Notes on award origin/background

The Awards Chair will notify the sponsor/donor of the results of the Executive Committee vote and will proceed with developing nomination applications and submission guidelines for approved awards.

ITEM 4: NEW for F20 – Update AI 008, 007, 110, & 503 to align with CHAS BYLAW V – Manner of Election.

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 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 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
---	--------------------------------	--------------------

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
---	--------------------------	--	----------------------

Secretary and Audit Committee	Review Results	Following the close of the election and prior to July 1.
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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. **Error! Bookmark not defined.**](#) for a sample letter.

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

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

JUNE 17

The deadline 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. **Error! Bookmark not defined.**](#) 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 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 for certification by December 1.

ITEM 5: AI 119 Development Committee – This issuance seems dated.

Questions:

- Should this be rolled into the Administrative Issuance 119 Development Committee?
- Should the Development Chair set up the table?

Current:

DIVISION OF CHEMICAL HEALTH AND SAFETY Administrative Issuance 505

0 CHAS Sponsor's Table

1 Function:

To promote sponsorship of CHAS Scientific Meetings

2 Date:

Original Issuance: March 28, 2004 (Based on the approved minutes of the
September 7, 2003 CHAS Executive Committee meeting.

Revision:

3 Responsible Officer:

The Chair-Elect will be responsible soliciting vendors and for setting up the table.

4 Sponsors:

Organizations who contribute at least \$100 in a calendar year to CHAS will be free to advertise on the table.

5 Description of the Table:

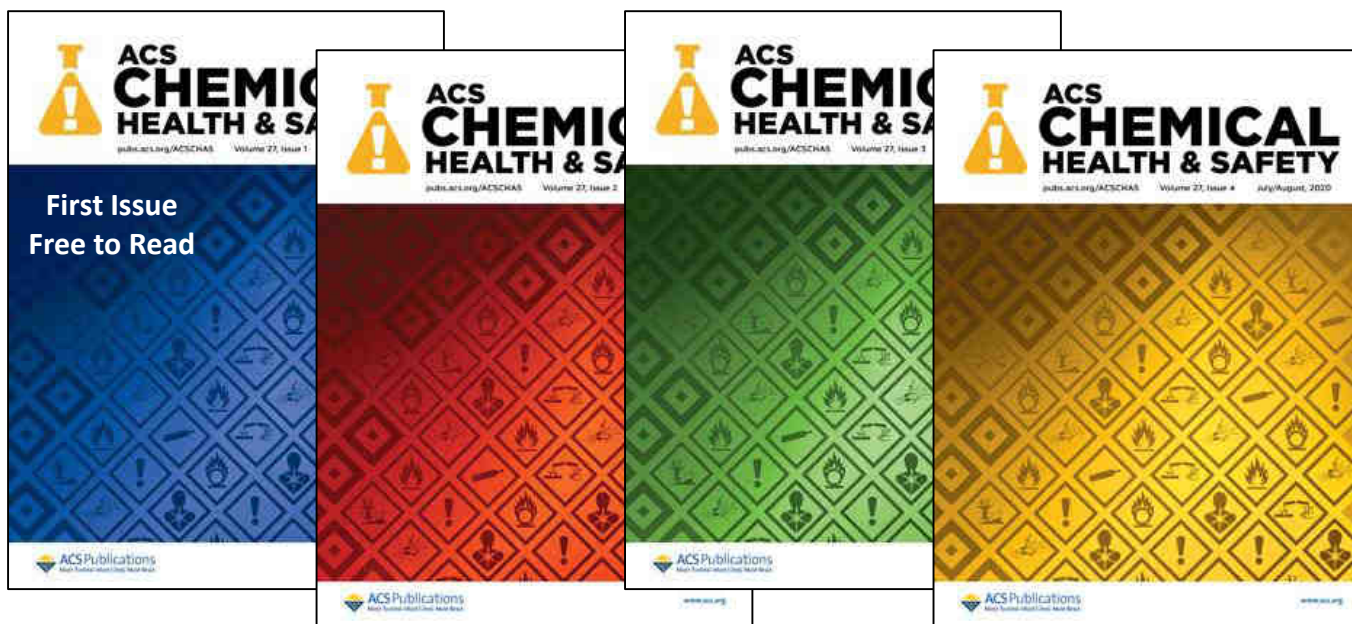
There will be a sign on the table listing official sponsors to tell if additional materials are being placed on the table. This table will be for the exclusive use of CHAS sponsors with limits on the volume and the nature of the materials that can be placed on the table.



**ACS
CHEMICAL
HEALTH & SAFETY**

**Good science is safe science
from concept to execution**

Four issues successfully published YTD in 2020



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Growing editorial team strives for diversity (topical, racial, gender, geographic, etc.)



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Sophic Pursuits, U.S.A.

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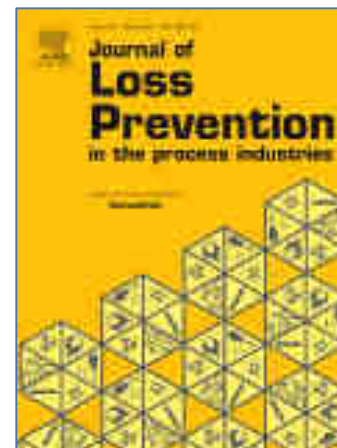
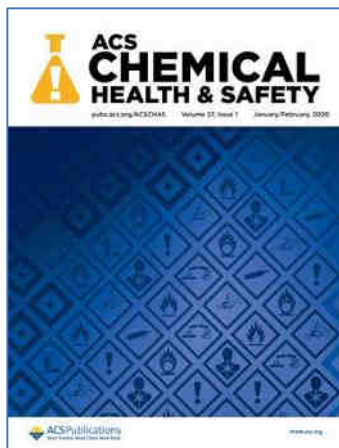
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DCHAS WORKSHOP COMMITTEE REPORT

The Covid-19 cancelation of the Philadelphia & San Francisco national Meetings brought one small unanticipated advantage to being forced to go online. The virtual CHAS Workshop program will have reached dozens of eager learners who would not otherwise be able to attend a CHAS workshop. Hundreds of CHAS members are unable to ever attend national meetings due to work scheduling and the high cost of travel and hotels. Thankfully, early anticipation of the cancellation of the San Francisco national meeting gave us enough time to put together a virtual program and promote it successfully. In addition, with the virtual elimination of all CHAS expenses associated with workshops at a national meeting, the revenue to CHAS will be significant. Mary Beth has done a fantastic job managing the financial end of workshop registrations, and she deserves much of the credit for keeping the registrations straight. Cudos to the organizers of the Sunday program on Empowering academic researchers for selling out their program; we are now accepting applications for additional presentations in November for that workshop. Thank you to all the presenters & organizers (and applicants) for getting this off the ground! Hopefully we will be able to have an ACS meeting in San Antonio, but at this point it is likely we'll be repeating the virtual format next Spring.

Mary Beth will cover the expected revenue from this program during the Treasurer Report.

These registration numbers are current through 8/3/2020:

Laboratory Safety – beyond the fundamentals	5
Why it went wrong – blame free investigation of laboratory accidents	4
Safety leadership in the chemistry enterprise	14
Reactive chemical management for laboratories and pilot plants	7
Laboratory Waste Management 2020	6
Health & Safety training for cannabis businesses	3
How to be a more effective chemical hygiene officer	20
Empowering academic researchers to strengthen safety culture	40

By my count, that is 99 registrations, a record for a national meeting workshop program (since 1995).

National Registry of Certified Chemists

Fall 2020 CHAS Liaison report

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.

Since January 1, there are 17 new applications for CHO certification and 12 new certificate holders. 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 hopefully that will happen when things begin to settle down from the pandemic.

Russ Phifer

Executive Director, National Registry of Certified Chemists