

Division of Chemical Health & Safety
Executive Committee ACS Spring 2018 Meeting

Sunday, March 18, 8 AM to Noon
Hilton New Orleans Riverside, Grand Ballroom A

Officer Reports (8:30am-9:30am)

Chair's Report – Joe Pickel (see attachment 1)

Treasurer's Report – Neal Langerman and Mary Beth Koza (see attachment 2)

Secretary's Report – Monique Wilhelm (see attachment 3)

JCHAS Editor's Report – Harry Elston (see attachment 4)

Councilor Report- Frankie & Debbie (see attachment 5)

Committee Reports (9:35am-11:20am)

Programming Committee – Debbie Decker (see attachments 6 & 6a)

Workshops Committee - Russ Phiher (see attachment 7)

Membership Committee – Ralph Stuart (see attachment 8)

Liaison Report – Neal Langerman (see attachment 9)

NRCC Liaison Report – Russ (see attachment 10)

Cannibus Subdivision Report – Andrew Pham (see attachment 11)

Long Range Planning Committee – Sammye Sigmann (see attachment 12)

Strategic Planning – Joe Pickel & Sammye Sigmann (see attachment 13)

New Business (11:25am – 11:55am)

CHAIR'S WELCOME

Welcome to the 2018 Spring National Meeting in New Orleans! This year, we're gathering in the Big Easy, a city that is turning 300 years old and celebrating its great and unique history while preparing for an auspicious future. Like this city, the Division of Chemical Health and Safety is approaching its own anniversary. Forty years ago, our organization was in its infancy, working hard to move beyond its interim status and become an official division. Of course, it achieved this status one year later, but only after struggling with initial rejection by the ACS council, and succeeding with the help of strong leaders who recognized the value of safety in the chemical enterprise. It seems fitting that our activities this year recognize our significant past while positioning us for a promising future.

In 2018, we will celebrate volunteers who have been a significant part of the division's history by awarding the first CHAS Lifetime Achievement Awards to Neal Langerman and Larry Doemeny, and the Tillmanns-Skolnik Award to Diane Grob Schmidt. Their contributions of these and other long-standing volunteers to the division will be apparent both at the Awards symposium in the Fall, but also as we realize what large shoes they left to fill. After many, many years in their current roles and several spent preparing their successors, Doug Walters and Larry Doemeny will be stepping down from their current committee chair positions, and Neal will complete his 4th (!) term as Treasurer. Doug will continue assisting with the CANN awards program, and Neal with the ACS online safety course. We also happily note that after completing his own 4th (!) term as Secretary, Ralph Stuart has taken the reigns as both the chair of the revitalized CHAS membership committee but also the Chair of CCS. Congratulations and a big thanks to all!

Similar to the experience of the division in 1978, in 2018 CHAS is once again benefiting from strong ACS leaders who are publicly recognizing the value of safety. The recent succession of ACS Presidents has demonstrated a strong commitment to safety in the society- supporting the establishment of safety as a core value, the creation of an ACS Staff Safety Program Manager, safety programming through their Presidential symposia or recommendations of CHAS programming, and other safety initiatives including a Safety Summit in February and the Laboratory Safety Workshop in May. Forty years later we also have several challenges to manage- our membership is on the decline, our financial situation is concerning, and as we learned during the fall meeting, our current Journal contract will end in the near future. We can and will overcome these struggles and emerge stronger for it. I encourage everyone to propose and consider new and different solutions to help us overcome these challenges.

Our future is bright!

- This afternoon we will see the first of what I hope to be many meetings in which graduate students will gather to discuss ways in which they can lead and take charge of their own safety in the laboratory- we should support this effort with our expertise and make sure that they have a home in our division.
- Two years ago, we allowed the Cannabis Subdivision into our home and need to ensure that they are welcome here. They lack our experience with the ways of ACS and need our mentorship and support, but have also demonstrated that they can also teach us a lot about recruiting, fund-raising and mobilizing the younger generation. At some point in the future we will part ways, but in the mean time we should take the opportunity to learn from each other!
- Today, the most promising sign of our future is the dedicated and energetic volunteer corps in our organization. The following pages are a testament to the work we have done and foreshadowing of the great things to come.

2018 is going to be a great year! Let's get started

Joe Pickel

TREASURER'S REPORT

NEW ORLEANS, LA 2018

Neal Langerman

Mary Beth Koza

Data as of 7 February 2018

Treasurer's comments

- Reimbursement requests due:
 - **11 April 2018**
 - 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_NOLA_2018
- Financial condition of CHAS: **Unsatisfactory**

BALANCE SHEET SUMMARY

		As of ...	5 August 2017	7 Feb 2018
ASSETS				
	Current Assets			
		Checking/Savings	\$42,960	\$42920
	Investments			
TIAA-CREF inception value as of 1/6/2015				
\$89,514			\$101,801	\$104081
Reserve Goal: 1.5 x Operating Budget \$189,750				
TOTAL ASSETS				
LIABILITIES & EQUITY	Liabilities		\$0	\$0
	Equity		\$143,341	\$147001
TOTAL LIABILITIES & EQUITY			\$143,341	\$147001

BUDGET SUMMARY

Calendar Year, 2018

	Budget, \$	Actual, \$ To date
Income	\$126,500	\$1400
Expenses	\$126500	\$4820
Operating Gain/Loss	\$0	(\$3420)

CASH ANALYSIS

CATEGORY	FUNDS
CHAS CASH ACCOUNT CURRENT	\$42920
IPG COMMITTED	\$15891
CANN FUNDS AVAILABLE	\$18757
TOTAL COMMITTED FUNDS	\$34648
CHAS CASH AVAILABLE	\$8272

FINANCIAL DETAILS

- Documentation Attached
 - Balance Sheet
 - Profit & Loss Statement
 - Graphical Representations
 - CCS/CHAS Booth cost
 - CANN P&L all and current year
 - CANN Transaction Statement

Division of Chemical Health & Safety

BALANCE SHEET As of February 7, 2018

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
Bank Fee	317.32
CH1A CHECKING	42,919.60
Total Bank Accounts	\$43,236.92
Other Current Assets	
1499 Undeposited Funds	0.00
Total Other Current Assets	\$0.00
Total Current Assets	\$43,236.92
Other Assets	
C INVESTMENTS & OTHER ASSETS	-1,420.89
C1 INVESTMENTS/ASSETS - UNRESTR.	
C1D2 AMERIPRISE MUTUAL	-8,199.14
C1D2-1 FMV Adjustment, Ameriprise	8,226.70
C1D2-2 Ameriprise Settlement Fund	-27.56
Total C1D2 AMERIPRISE MUTUAL	0.00
Total C1 INVESTMENTS/ASSETS - UNRESTR.	0.00
C4 TIAA-CREF	101,801.00
Total C INVESTMENTS & OTHER ASSETS	100,380.11
Total Other Assets	\$100,380.11
TOTAL ASSETS	\$143,617.03
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Credit Cards	
CHAS DEBIT CARD	0.00
Total Credit Cards	\$0.00
Total Current Liabilities	\$0.00
Total Liabilities	\$0.00
Equity	
1110 Retained Earnings	147,036.53
Net Income	-3,419.50
Total Equity	\$143,617.03
TOTAL LIABILITIES AND EQUITY	\$143,617.03

Division of Chemical Health & Safety

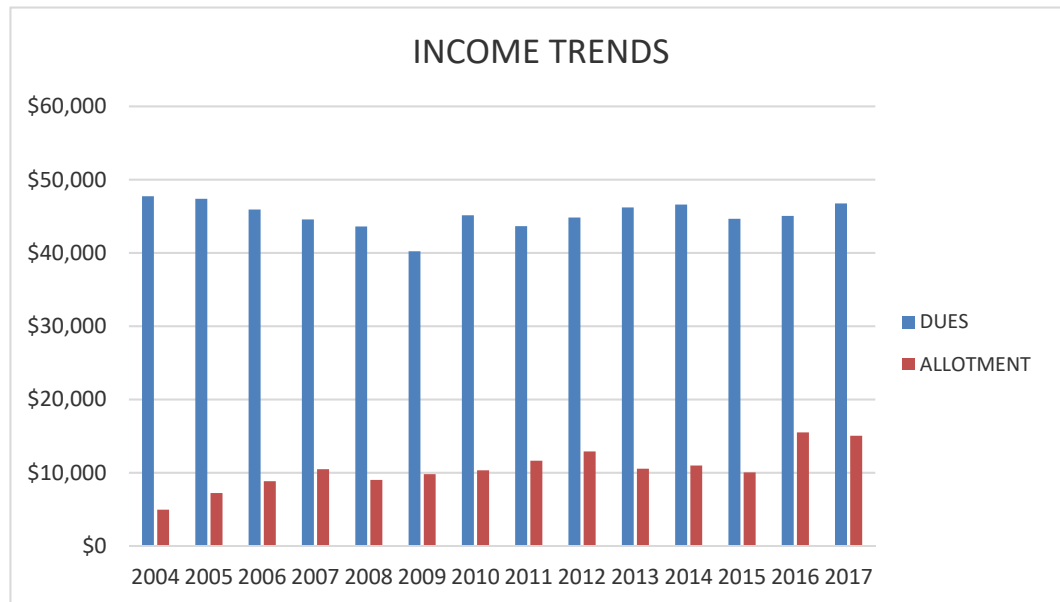
PROFIT AND LOSS

January 1 - February 7, 2018

	TOTAL
Income	
A8 OTHER	
A8B MISCELLANEOUS	
A8B2 Exhibit Hall Fee	1,400.00
Total A8B MISCELLANEOUS	1,400.00
Total A8 OTHER	1,400.00
Total Income	\$1,400.00
GROSS PROFIT	\$1,400.00
Expenses	
B1 CONTRIBUTIONS EXP.	
B1B INNOVATIVE FUNDING EXPENSE	
B1B10 2017 Video Development	3,750.00
Total B1B INNOVATIVE FUNDING EXPENSE	3,750.00
Total B1 CONTRIBUTIONS EXP.	3,750.00
B2 NATIONAL MEETING EXPENSES	
B2E PLANNING EXPENSES	
B2E2 STRATEGIC PLANNING	20.00
Total B2E PLANNING EXPENSES	20.00
Total B2 NATIONAL MEETING EXPENSES	20.00
B7 ADMINISTRATIVE	
B7F DLC/P2C2 CONF EXP	579.50
Total B7 ADMINISTRATIVE	579.50
B8 OTHER EXP (9G)	
B8A CREDIT CARD PROCESSING FEE	15.00
Total B8 OTHER EXP (9G)	15.00
B9 CANNABIS SUBDIV EXP	
B9A1 Advertising/Promotional	455.00
Total B9 CANNABIS SUBDIV EXP	455.00
Total Expenses	\$4,819.50
NET OPERATING INCOME	\$ -3,419.50
NET INCOME	\$ -3,419.50

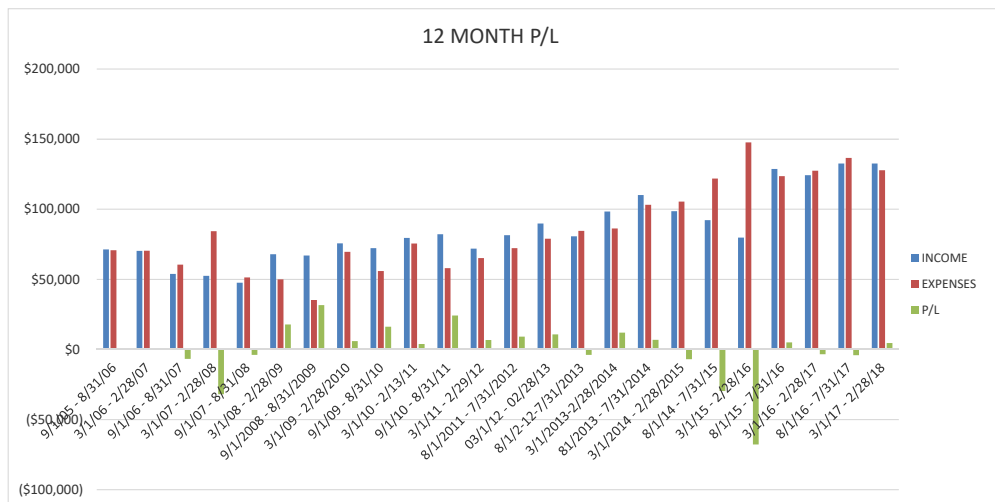
INCOME
DUES ALLOTMENT

2004	\$47,732	\$4,954
2005	\$47,376	\$7,235
2006	\$45,919	\$8,842
2007	\$44,563	\$10,480
2008	\$43,599	\$9,020
2009	\$40,223	\$9,814
2010	\$45,135	\$10,340
2011	\$43,649	\$11,648
2012	\$44,833	\$12,908
2013	\$46,208	\$10,550
2014	\$46,601	\$10,985
2015	\$44,656	\$10,061
2016	\$45,056	\$15,505
2017	\$46,751	\$15,047

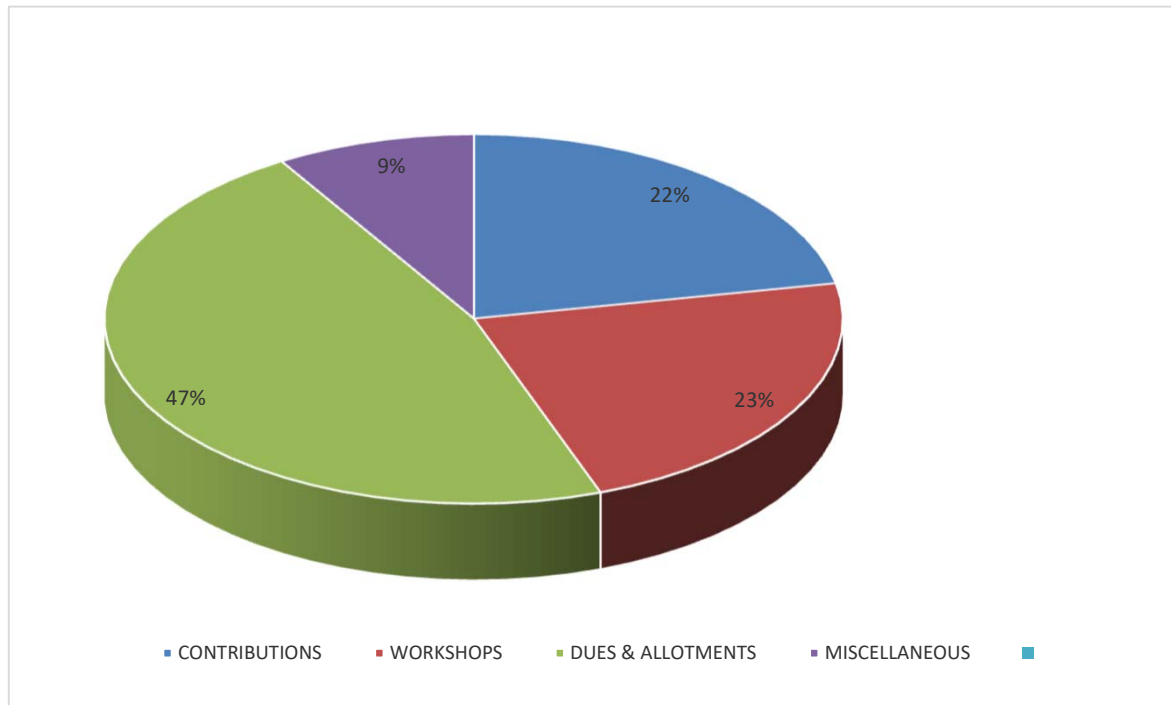


CHAS Financial Metrics - 2/7/2018

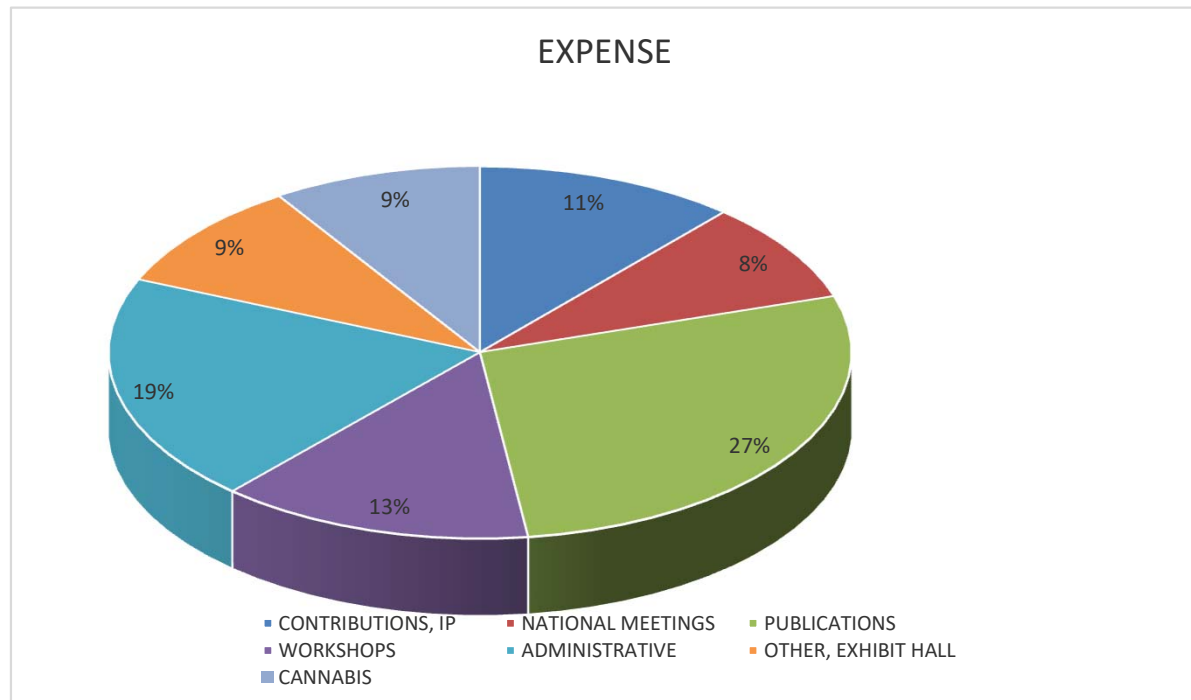
	OVERALL		
	INCOME	EXPENSE	P/L
9/1/05 - 8/31/06	\$71,348	\$70,872	\$476
3/1/06 - 2/28/07	\$70,356	\$70,450	(\$94)
9/1/06 - 8/31/07	\$53,881	\$60,500	(\$6,619)
3/1/07 - 2/28/08	\$52,524	\$84,443	(\$31,919)
9/1/07 - 8/31/08	\$47,615	\$51,427	(\$3,812)
3/1/08 - 2/28/09	\$67,939	\$50,108	\$17,831
9/1/2008 - 8/31/2009	\$67,091	\$35,377	\$31,714
3/1/09 - 2/28/2010	\$75,679	\$69,675	\$6,004
9/1/09 - 8/31/10	72,263	55,937	\$16,326
3/1/10 - 2/13/11	\$79,585	\$75,647	\$3,938
9/1/10 - 8/31/11	\$82,255	\$58,001	\$24,254
3/1/11 - 2/29/12	\$72,017	\$65,235	\$6,782
8/1/2011 - 7/31/2012	\$81,584	\$72,356	\$9,228
03/1/12 - 02/28/13	\$89,904	\$79,063	\$10,841
8/1/2-12-7/31/2013	\$80,796	\$84,635	(\$3,839)
3/1/2013-2/28/2014	\$98,395	\$86,284	\$12,111
8/1/2013 - 7/31/2014	\$110,174	\$103,187	\$6,987
3/1/2014 - 2/28/2015	\$98,659	\$105,502	(\$6,843)
8/1/14 - 7/31/15	\$92,244	\$121,906	(\$29,662)
3/1/15 - 2/28/16	\$79,887	147,726	(\$67,839)
8/1/15 - 7/31/16	\$128,727	\$123,654	\$5,073
3/1/16 - 2/28/17	\$124,285	\$127,571	(\$3,286)
8/1/16 - 7/31/17	\$132,718	\$136,627	(\$3,970.00)
3/1/17 - 2/28/18	\$132,610	\$127,866	\$4,653



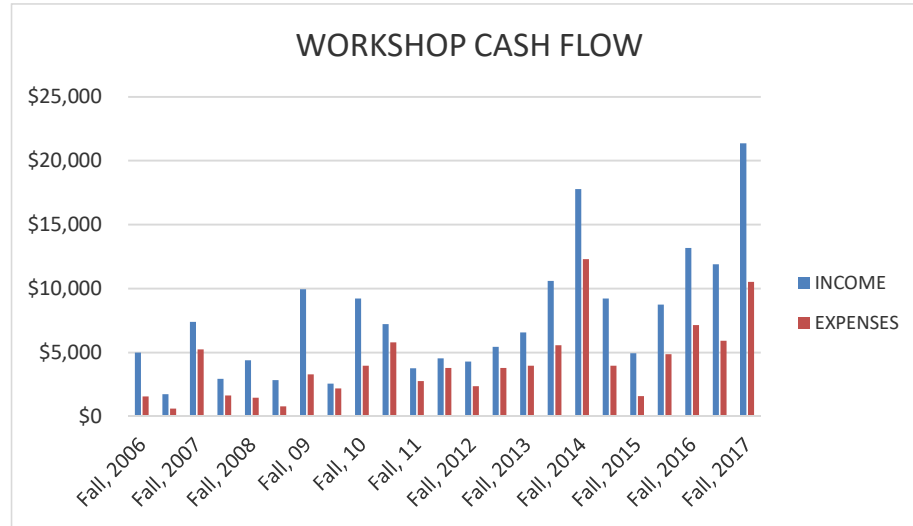
		%
CONTRIBUTIONS	\$28,970	22%
WORKSHOPS	\$29,725	23%
DUES & ALLOTMENTS	\$61,882	47%
MISCELLANEOUS	\$11,522	9%
TOTAL INCOME	\$132,099	



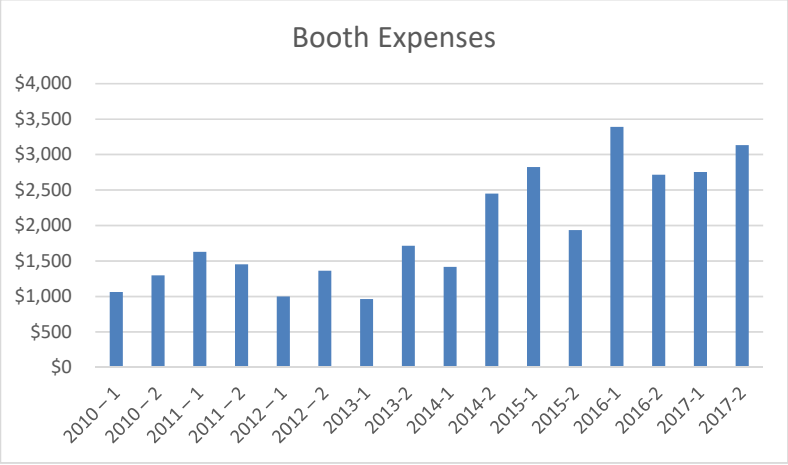
CONTRIBUTIONS, IP	\$13,480	11%
NATIONAL MEETINGS	\$10,315	8%
PUBLICATIONS	\$32,916	27%
WORKSHOPS	\$16,162	13%
ADMINISTRATIVE	\$23,456	19%
OTHER, EXHIBIT HALL	\$11,224	9%
CANNABIS	\$10,766	9%
OTHER	\$3,300	3%
TOTAL EXPENSES	\$121,619	



	BY MEETING	
	INCOME	EXPENSE
Fall, 2006	\$4,993	\$1,563
Spring, 2007	\$1,734	\$619
Fall, 2007	\$7,400	\$5,238
Spring, 2008	\$2,929	\$1,634
Fall, 2008	\$4,400	\$1,466
Spring, 09	\$2,850	\$779
Fall, 09	\$9,950	\$3,292
Spring, 10	\$2,550	\$2,186
Fall, 10	\$9,225	\$3,972
Spring, 11	\$7,225	\$5,803
Fall, 11	\$3,775	\$2,757
Spring, 2012	\$4,545	\$3,782
Fall, 2012	\$4,300	\$2,372
Spring, 2013	\$5,450	\$3,788
Fall, 2013	\$6,571	\$3,963
Spring, 2014	\$10,600	\$5,561
Fall, 2014	\$17,772	\$12,302
Spring, 2015	\$9,225	\$3,972
Fall, 2015	\$4,950	\$1,584
Spring, 2016	\$8,750	\$4,856
Fall, 2016	\$13,175	\$7,145
Spring, 2017	11,900	\$5,907
Fall, 2017	\$21,350	\$10,524



2010 – 1	\$1,063
2010 – 2	\$1,296
2011 – 1	\$1,629
2011 – 2	\$1,453
2012 – 1	\$1,000
2012 – 2	\$1,363
2013-1	\$964
2013-2	\$1,713
2014-1	\$1,417
2014-2	\$2,451
2015-1	\$2,826
2015-2	\$1,937
2016-1	\$3,392
2016-2	\$2,716
2017-1	\$2,756
2017-2	\$3,134



Division of Chemical Health & Safety

CANN P&L

All Dates

	TOTAL
Income	
A1 CONTRIBUTIONS	
A1F DONATIONS	
A1F2 DONATION CANN SUBDIVISION	28,356.92
A1F2A Heidolph North America	7,500.00
Total A1F2 DONATION CANN SUBDIVISION	35,856.92
Total A1F DONATIONS	35,856.92
Total A1 CONTRIBUTIONS	35,856.92
Total Income	\$35,856.92
GROSS PROFIT	\$35,856.92
Expenses	
B9 CANNABIS SUBDIV EXP	8,196.23
B9A1 Advertising/Promotional	8,903.79
Total B9 CANNABIS SUBDIV EXP	17,100.02
Total Expenses	\$17,100.02
NET OPERATING INCOME	\$18,756.90
NET INCOME	\$18,756.90

Division of Chemical Health & Safety

TRANSACTION REPORT

All Dates

DATE	TRANSACTION TYPE	NUM	NAME	MEMO/DESCRIPTION	AMOUNT
Invoice					
02/17/2016	Invoice	75	JEFFREY RABER	Donation to support CANN activity	500.00
02/18/2016	Invoice	76	PERKIN ELMER COMPANY Michele Romero	Donation to support CANN activity	2,500.00
08/12/2016	Invoice	134	JEN KITCHEN	Donation to support CANN activity	1,000.00
12/22/2016	Invoice	137	PERKIN ELMER COMPANY Michele Romero	Donation to support CANN activity	7,000.00
03/01/2017	Invoice	139	Heidolph North America	Scholarship Award administered by CANN	7,500.00
09/15/2017	Invoice	204	WATERS CORPORATION	Donation to support CANN activity Luncheon Sponsor	4,721.92
Total for Invoice					\$23,221.92
Bill					
03/17/2016	Bill		Russ Phifer	CANN MATERIALS	558.60
03/23/2016	Bill		ADVANCED CHEMICAL SAFETY, INC.	BANNER	109.03
03/31/2016	Bill		EZRA PRYOR	EXHIBIT HALL MATERIALS	181.75
05/27/2016	Bill		BETH WATERFALL	SUPPORT FOR CANN EVENT PER EP	250.00
06/20/2016	Bill		American Chemical Society	DUES FOR KYLE BOYAR CANN	78.00
09/19/2016	Bill		MELISSA JANINE WILCOX	CANN EXPENSES PHL	149.53
09/19/2016	Bill		EZRA PRYOR	CANN EXPENSES PHL	1,078.01
11/17/2016	Bill		TYRELL TOWLE	NETWORKING EVENT	155.60
11/28/2016	Bill		EZRA PRYOR	DENVER EVENT	247.50
03/10/2017	Bill		ANDREW PHAM	LOGO ARTWORK	300.00
03/15/2017	Bill		MELISSA JANINE WILCOX	PERKIN ELMER SPONSORED EVENT	1,500.00
04/11/2017	Bill		BIG ROCK	Networking eventt	1,000.00
06/06/2017	Bill	5299	EZRA PRYOR	TORONTO EVENT SUPPORTED BY PERKIN-ELMER	275.71
07/26/2017	Bill		American Chemical Society	CANN LUNCHEON IN SF	4,721.92
12/20/2017	Bill		EZRA PRYOR	postage, envelops, printing & custom hats	432.02
Total for Bill					\$11,037.67
Deposit					
02/03/2016	Deposit			BKOFAMERICA ATM 02/03 #000004263	300.00
03/02/2016	Deposit			BKOFAMERICA MOBILE 03/02 3422984	1,995.00
05/13/2016	Deposit			SC LABORATORY	500.00
05/25/2016	Deposit		EZRA PRYOR	EZRA PRYOR	300.00
06/30/2016	Deposit		EZRA PRYOR	EZRA PRYOR	500.00
08/12/2016	Deposit			SUNX LAB	500.00
08/18/2016	Deposit		PayPal	PAYPAL DES:TRANSFER	1,000.00

DATE	TRANSACTION TYPE	NUM	NAME	MEMO/DESCRIPTION	AMOUNT
				ID:4PXJ29SQ7	
08/31/2016	Deposit			GOOSE GREENS	1,000.00
09/07/2016	Deposit		EZRA PRYOR	HEIDOLPH NA LLC	2,000.00
10/06/2016	Deposit		EDEN LABS LLC	CANN DONATION	500.00
01/03/2017	Deposit		SC LAB	BKOFAMERICA ATM 01/03 #000004792	500.00
01/30/2017	Deposit		EDEN LABS LLC	BKOFAMERICA MOBILE 01/29 3519876	40.00
07/21/2017	Deposit		WATERS CORPORATION	Counter Credit	2,500.00
12/06/2017	Deposit		JEFFREY RABER	BKOFAMERICA MOBILE 12/07 3625892	500.00
12/28/2017	Deposit		JEFFREY RABER	BKOFAMERICA MOBILE 12/28 3634598	500.00
Total for Deposit					\$12,635.00
Expense					
02/24/2016	Expense			CHECKCARD 0222 AMERICAN CHEMICAL	78.00
02/24/2016	Expense			CHECKCARD 0222 AMERICAN CHEMICAL	37.00
02/24/2016	Expense			CHECKCARD 0222 AMERICAN CHEMICAL	78.00
02/24/2016	Expense			CHECKCARD 0222 AMERICAN CHEMICAL	78.00
03/17/2016	Expense			SD EXHIBIT HALL SPACE	1,300.00
06/10/2016	Expense			CHECKCARD 0609 INFORMATION FOREC	1,500.00
03/20/2017	Expense			CHECKCARD 0317 IPY*The Monterey	610.00
04/06/2017	Expense			CHECKCARD 0404 JILLIANS BILLISAR	1,326.35
12/11/2017	Expense		ACS	CHECKCARD 1208 ACS EXPOSITIONS 8	600.00
01/17/2018	Expense			Scanner for NOLA meeting	455.00
Total for Expense					\$6,062.35
TOTAL					\$52,956.94

D-CHAS Secretary's Report
Spring 2018, New Orleans, LA – 255th National Meeting
Monique Wilhelm

Digital Public Relations Update (also a component of membership and the strategic plan)

Ralph, Robin, & Monique have been working together to determine the best approach to update our digital web presence. Ralph has been in touch with Jennifer Maclachlan, Chair of the ACS Committee on Public Relations and Communications and found that several other ACS units are currently doing the same. We recognize the importance of input from younger individuals to determine which outlets we need to target and the best way to do so to make things easy yet lasting in this ever-changing digital landscape.

Upcoming Elections

2018 (Harry is recruiting)

Chair-elect

Member at Large

Treasurer

2019

Chair-elect

Councilor

JCHAS Editor's Report
Spring 2018, New Orleans, LA – 255th National Meeting
Prepared 26 Feb 2018

Pipeline

The current pipeline is somewhat thin, with manuscripts in the pipeline for publication to the July/Aug 2018 issue. This is much thinner than I prefer it to be. There are, however, a number of manuscripts in various states of review and revision that should help us through the remainder of the year.

Continuity of Business

At the Fall 2017 ACS Meeting we were informally notified that Elsevier will cease publication of the Journal at the end of our contract (May 2019). We have not yet been notified in writing, but I expect that we will get written notification in May per the contract conditions.

A small team (Neal Langerman, Mary Beth Koza, Ken Fivizzani, Frankie Wood Black and Harry Elston) was assembled to gather information and approach other prospective publishers. At this writing, we have approached both Wiley and ACS Publications.

We have supplied financial information to Wiley and ACS Publications and as of this writing, Wiley has expressed a vague interest. There is more excitement at the Society as we have the both the Past and Current ACS President assisting us as well as the ear of a few Board Members. We await an evaluation from both organizations.

Since we have only about 12 months before the final publication with Elsevier and no prospective publisher, I believe that it is necessary for the Division to make plans to cease publication of the Journal, as we have a fiduciary duty to the membership. These plans must include, but not be limited to:

- Determination and advertising the last date that manuscripts will be accepted for review. This must include a notification to authors that their manuscripts must be turned-around rapidly for any revisions that are required.
- Notification to the Division membership that their dues will be pro-rated for 2019, as there will be only three issues that year under the current contract.
- Working with Elsevier on the disposition of electronic material, including archival of almost 20 years of publication.. The Division owns the copyright to the material).

SCOPUS and Impact Factor

JCHAS will be indexed in SCOPUS (at least through the remainder of our contract with Elsevier).

In October 2017, we were notified that *JCHAS* is now indexed with Clarivate, the owner of the Impact Factor for inclusion in the Emerging Sources Citation Index. With that announcement, I can cross off an item on my professional “bucket list” that has been on the list for 18 years.

D-CHAS Councilor's Report
Spring 2018, New Orleans, LA – 255th National Meeting

Between meetings, there has been a great deal of activity within the Society related to safety and the overall strategic plan. The current strategic plan can be found at https://www.acs.org/content/acs/en/about/strategicplan.html?cid=home_4up. One of the four core values is on Professionalism, Safety and Ethics and is stated: “We support and promote the safe, ethical, responsible, and sustainable practice of chemistry coupled with professional behavior and technical competence. We recognize a responsibility to safeguard the health of the planet through chemical stewardship.” And, within the goals: Goal 2 specifically mentions, “Organize an ACS Safety Summit to identify strategies that will accelerate the adoption of safety cultures across the chemistry enterprise.” A summit was held early in February with a great deal of participation and input from the Division. Within Goal 3, the goal related to education, one of the opportunities/challenges lists “As educational programs work to build a culture of safety, resources for implementing effective practices and guidelines in classrooms and laboratories are needed.” In addition, Marta Gmurczyk, ACS staff has a new role focused primarily on safety. These are significant changes within the Society focusing on the role and importance of safety to our profession.

As you will see throughout the rest of the agenda, there are several initiatives of interest to the Division, these include more regional and international participation. To encourage these initiatives, the Divisional Activities Committee is proposing for vote of Council on a new distribution allocation of funding for the Divisions. After review by the Division's Treasurer, it is anticipated that it will be difficult to discern the actual impact to the Division based upon the proposed allocation, although it is anticipated that the overall impact is likely to be minor. It may however be a positive impact due to our recent and proposed activities with Regional meetings and in a recent international meeting.

As per usual, the spring meeting has Council hearing from and narrowing the list of candidates for the election of the Society President and approval of the membership dues for the following year. The four current candidates for ACS President are Harmon B. Abrahamson, Luis A. Echegoyen, Thomas R. Gilbert and Mary Virginia Orna. (This slate is going to be difficult for Council to narrow as all four are active members, and Mary Virginia Orna did well when she ran as a petition candidate for President.) It should be noted that none of the current candidates are members of our Division, and none of the

statements referred directly to safety. Should you have an opinion as to how you wish your councilors to vote please contact us. The proposed dues based upon the escalator value would go up from \$171 to \$175. This is a bigger increase than in years past.

Other actions before Council at this meeting:

- 1) A vote on a By-Law change related to Society Committees. The By-Law change would remove the requirement that the Chair must be a voting member of Council and remove the requirement of a 2/3 vote within the Committee for the election of a Vice-Chair. The change would allow ex-officio Councilors to be appointed as Chairs of the Society Committees.
- 2) A vote on a By-Law change related to election of Society Committee Chairs. This change would streamline the current by-laws related to the election process.
- 3) A petition to Charter an International section in Jordan.

Actions for Consideration at the Fall National Meeting:

There are currently two actions being brought to Council for consideration. These are a petition for affiliation with other Teacher Organizations and a petition rename and remove some restrictions for international chapters.

Other items of Note from the Councilors:

Frankie Wood-Black has been elected to serve on the Committee on Science and is currently working with the Synthetic Biology FACT Sheet writing group. In addition, Frankie has been asked to participate in ACS Chemistry Advocacy Workshop at the New Orleans Meeting.

D-CHAS Program Committee Report
Spring 2018, New Orleans, LA – 255th National Meeting
Debbie Decker & Joe Pickel

We had a busy meeting in the Fall in DC with over 40 papers presented. We also helped organize a well-attended full-day Presidential Symposium on developing safety culture.

For this meeting, we again have a full line-up of programming. The symposia are listed here, with papers listed in the CHAS at a Glance:

- **Ask Dr. Safety: Integrating Research and Safety (Langerman; with CCS)**
- **Water Supply Safety (Wilhelm; with CCS, ENVR) and recommended by ACS President Dorhout**
- **Implementing ACS Safety Education Guidelines (Sigmann, Howson; with CCS, CHED, AACT)**
- **CHAS Poster Session/SciMix (Pickel)**
- **Heidolph North America's Cannabis Chemistry Subdivision Scholarship symposium**
- **Women in Cannabis: Shaping an Emerging Industry**
- **Separation Science and Technology in the Medical Cannabis and Hemp Industry**
- **Formulation of Cannabis Products: More than just THC and CBD**

For the Boston Meeting in Fall 2018, MAPS is open to submissions and will close shortly before the NOLA meeting. The theme for this meeting is "Nanoscience, Nanotechnology & Beyond" and the symposia are as follows:

- CHAS Awards Session (Walters, Bush)
- Nanomaterials: Applications, Safety Considerations and Implications for Human Health and the Environment (Pickel; Co-sponsored with IEC, possibly PRES)
- Ask Dr. Safety about Safety Considerations in the Cannabis Industry (Elston, Langerman)
- CHAS Poster Session / Sci-Mix (Pickel)
- Chemistry of Disaster Recovery
- Learning Laboratory Safety Through Storytelling (Stuart)
- Collecting Safety Information for Including in Publications (Stuart)
- Preparing the Next Generation of Chemists
- Cannabis Nanotechnology, Genetics and Innovative Trends in Cannabis Production

For the Spring 2019 meeting in Orlando, Joe Pickel, John Palmer and Debbie Decker are working with President-Elect Bonnie Charpentier to develop Presidential Symposia. The laboratory safety e-learning project will be close to launch. Debbie is also thinking about an amusement park safety symposium. Other ideas are most welcome.

Sunday Sessions

Ask Dr. Safety: Integrating Research & Safety
Hilton New Orleans Riverside, Grand Salon D Sec 21

Cosponsored by CCS

Organizers, Presiding: N. R. Langerman

1:30: Opening Remarks.

1:35: The psychology of developing a positive chemical safety culture in academic research labs. *K.A. Serrano*

2:00: Survey of chemist exposure to VOCs from solvent cabinets. *A.E. Norton, W.B. Connick, K. Brown*

2:25: Study of safer storage and handling of graphene oxide.

P. Lakhe, D. Kulhanek, W. Sun, B. Zhang, M.J. Green, S. Mannan

2:50: Effectiveness of laser safety eyewear under real-world conditions. *C.J. Stromberg, E.J. Heilweil, J.A. Hadler*

3:15: Safety at the bench: Promoting positive safety culture in academic laboratories. *C.N. Situma*

3:40: Ask Dr. Safety: Integrating research and safety. *N.R. Langerman, H.J. Elston*

3:55: Closing Remarks.

WORKSHOPS

(see <http://www.dchas.org> for registration information)

All workshops are at the Convention Center
from 8:30AM-4:00PM

Fri. March 16th

- **Laboratory Waste**
New Levee
- **Laboratory Safety**
Fulton

Sat. March 17th

- **Chemical Hygiene Officer**
New Levee
- **Reactives Chemical Management**
Fulton

Sun. March 18th

- **Grad Student Workshop**
Hilton Garden Inn Magnolia Room
3:00PM

Coffee is available at 8:00 AM, One hour (no host) lunch break.

Executive Committee Breakfast

Date: Sunday March. 18, 2018

Time: 8:30 to 12:00

Location: Hilton Riverside,
Grand Ballroom A

Committee Meeting on Chemical Safety

Date: Monday, March 19

Time: 7:00 to 8:30AM

Location: Hilton Riverside,
Grand Ballroom B

Monday, Sci-Mix

Ernest N. Morial Convention Center,
Halls D/E

Organizer: J.M Pickel

8:00 - 10:00

- Division of Chemical Health and Safety information poster. *J.M. Pickel*
- Rapid chemical risk assessments for research labs. *D.J. Leggett*
- Femtosecond laser eyewear protection: Measurements and precautions. *M. Riedel-Topper, S. Wirick, J.A. Hadler, E.J. Heilweil, C.J. Stromberg*
- Workshop for high school chemistry teachers on case studies of K-12 lab accidents and safety resources. *C. Lilly*
- A flexible web-interface for integrating multiple data streams in support of risk prioritization of environmental chemicals. *R. Judson, A.J. Williams, C. Grulke, R. Thomas*
- Evaluation of cannabinoid and terpene interference in HPLC-UV cannabis potency testing. *A. Rigdon, C. Sweeney, C. King, B. Cassidy, J. Kowalski, F.L. Dorman*
- Health risk of oral and inhalation exposure to toxic chemicals. *A. Fontenot, H. Hwang*



ACS
Chemistry for Life™

255th ACS National Meeting & Exposition

New Orleans, LA
March 17-22, 2018



DIVISION OF CHEMICAL HEALTH AND SAFETY

Debbie Decker,
& Joseph Pickel
Program Chairs



Please plan on attending the Division of Chemical Health and Safety's Technical Program and Workshops in New Orleans, March 2018. We have listed for your consideration our workshops and technical programming. We believe we have put together the best technical program to help you be successful and work safely in your laboratory.

Agenda Book Page 25

Monday Sessions

Women in Cannabis: Shaping an Emerging Industry Hilton New Orleans Riverside, Grand Salon D Sec 21

Cosponsored by SCHB & WCC, Financially supported by CANN
Organizer & Presiding: M.J. Wilcox

8:30: Introductory Remarks.

8:35: Moving an industry forward: How women are shaping the future of cannabis. *M.J. Wilcox*

9:00: Evolution of the cannabis industry: an outside view from the inside. *A. Rigdon*

9:25: Movement toward consensus analytical test methods and standards for the cannabis community to ensure consistent product characterization. *S.A. Audino*

9:50: Guidelines and state requirements for medical cannabis product quality and safety. *L. Dodson*

10:15: Intermission.

10:30: Cleaning up cannabinoids and chlorophyll: Optimization of sample preparation for pesticide analysis in cannabis flower. *J. Kowalski, D. Laine, S. Minier, C. Johnson*

10:55: Sex differences in clinical pharmacology and gender differences in society: How to give an emerging industry a head start. *L. Klumpers*

11:20: Roadblocks, guardrails & opportunities. *T. Wahl*

11:45: Transitioning from academia to cannabis: Why chemists and their influence are important contributors to a growing industry. *A.R. Wise*

12:10: Panel Discussion.

12:30: Concluding Remarks.

Implementing ACS Safety Education Guidelines

Hilton New Orleans Riverside, Grand Salon D Sec 21

Cosponsored by CCS & CHED, Financially supported by AACT
Organizer: E.M. Howson

Presiding: S.B. Sigmann

1:30: Introductory Remarks.

1:35: The ACS safety culture journey: What next?

M.U. Gmurczyk, M.M. Kirchhoff

2:05: Building the safety learning spiral. *R. Stuart, S.B. Sigmann*

2:25: One slice at a time: Do what you can whenever you can. *K.P. Fivizzani*

2:45: Developing a culture of safety in chemistry and biochemistry at Texas Woman's University. *R.D. Sheardy*

3:05: Intermission.

3:25: Importance of laboratory safety in chemistry curriculum. *K. Jefferson*

3:45: Impact of implementing the RAMP concept for chemical safety training in undergraduate teaching. *O. Oluwaniyi*

4:05: RAMPing up the organic chemistry lab at a PUI: Developing a culture of safety and success. *R.S. Majerle, M. Gorina*

4:45: Concluding Remarks.

Tuesday Sessions

Water Supply Safety

Hilton New Orleans Riverside, Grand Salon D Sec. 21

Cosponsored by CCS, CTA & ENVR

Organizer & Presiding: M. R. Wilhelm

9:00: Introductory Remarks.

9:05: Waukesha water: Bridging the divide. *D. Duchniak, J. Piatt*

9:30: Laboratory safety is impacted by changes in water quality. *C. Wilhelm*

9:55: Iron as an indicator of water system corrosion and compromised disinfection: Argument for regulating iron and small system corrosion control. *A. Katner, K. Pieper, M. Edwards*

10:20: Lessons learned from the Elk and Dan River disasters: Enhancing science support for water resource protection and crisis communication in spill-incident response.

W.A. Alexander

10:45: Computational chemistry support for water resource protection: Developing rapid and accurate computational methods to predict physical properties for environmental fate and toxicity modelling. *K. Charbonnet, N.J. Deyonker, W.A. Alexander*

11:10: Panel Discussion.

11:25: Concluding Remarks.

Formulation of Cannabis Products: More than just THC & CBD

Hilton New Orleans Riverside, Grand Salon D Sec 21

Cosponsored by

Financially supported by CANN

Organizer & Presiding: M. Roggen

1:30: Introductory Remarks.

1:35: At-line to on-line cannabis extraction and isolation.

J. MacKay

2:05: Analytical procedures and specifications for a Cannabis based prescription drug. *P. Gibson, A. Sutton, A. Silcock*

2:35: Controlling terpenes and cannabinoids in flower and extract. *M. Roggen*

3:05: Panel Discussion.

3:25: Intermission.

3:45: Does 1+1=3? What science really knows about cannabinoid and terpene effects in humans. *L. Klumpers, K. Franson*

4:15: In search of efficacy: A self-reported patient study identifying effective THC:CBD ratios for sleep, pain and arousal based on dose-controlled delivery of vaporized cannabis oil. *S.J. Miller*

4:45: Potential health risks of cannabis extracts. *T. Lewandowski, J. Rice*

5:15: Panel Discussion.

5:25: Concluding Remarks.

Wednesday Sessions

Heidolph North America's Cannabis Chemistry Subdivision Scholarship Symposium

Hilton New Orleans Riverside, Grand Salon D Sec. 21

Cosponsored by AGFD, CHAL & SCHB

Financially supported by CANN

Organizers: E.M. Pryor

Presiding: E.M. Pryor, A. Pham

9:00: Introductory Remarks.

9:05: Shaping the bright future of the cannabis industry: Because we can. *L. Klumpers, D.L. Thacker, K. Franson*

9:40: The identification of Δ -8 tetrahydrocannabinolic acid (Δ -8-THCA) by NMR and LCMS techniques. *M. Scialdone, C. Barone, C. Rithner, K. Denef, C. Boot*

10:15: Chemistry of Canadian medical cannabis. *M.M. Lewis, Y.W. Yang, E. Wasilewski, H. Clarke, L.P. Kotra*

11:25: Panel Discussion.

Heidolph North America's Cannabis Chemistry Subdivision Scholarship Symposium

Hilton New Orleans Riverside, Grand Salon D Sec. 21

Cosponsored by AGFD, CHAL and SCHB

Financially supported by CANN

Organizers: E.M. Pryor

Presiding: E.M. Pryor, A. Pham

1:30: Introductory Remarks.

1:45: Analysis of regulatory improvements and setbacks for medical cannabis programs and product safety standards. *J. Marcu, S. Sherer*

2:20: Adventures in the Cannabis field: Surprises and discoveries with natural and synthetic cannabinoids. *M.A. Schafroth, R. Sarott, E. Carreira*

2:55: THC and its metabolites in blood: Legal, regulatory, and scientific challenges in the context of cannabis DUI. *A. Pham, E.M. Pryor*

3:30: Rapid metabolic phenotyping of a medicinal plant: Applications for C. Sativa. *J. de la Parra, E. Anemone, F. Jackson, w. Hancock, J. Auclair*

4:05: Panel Discussion.

4:25: Concluding Remarks.

D-CHAS Workshops Committee Report
Spring 2018, New Orleans, LA – 255th National Meeting

Following one of our most successful meetings ever for workshops in Washington, DC, the outlook for the New Orleans meeting is not good. Following a few extremely late cancellations, we have only seven attendees for the two full-day workshops which will be held – CHO and Lab Waste.

The Developing Graduate Student Leadership Skills in Chemical Safety workshop, however, will be well attended, with approximately 27 advance registrations.

Respectfully submitted,

Russ Phifer
CHAS Workshops Committee

D-CHAS Membership Committee Report
Spring 2018, New Orleans, LA – 255th National Meeting

Submitted by Ralph Stuart

The membership committee has been actively meeting in 2018. The strategy of the committee is to develop membership services that will attract the interest of non-members while continuing services that existing members have come to rely upon.

The continuing services being supported by the Membership Committee are the DCHAS web site, the DCHAS-L e-mail list and the Twitter feed. All three of these electronic efforts serve as important technical and networking assets to members, particularly those unable to attend national or regional meetings. The web site is visited by between 5000 and 6000 unique visitors per month; the e-mail list has about 60 messages/week and read by 1225 members and prospective members; the Twitter feed has 485 followers and 25 Tweets/week.

A variety of new ideas have been discussed, and some have moved forward. The specific ideas currently in development are:

- Graduate student workshop – with the financial support of the ACS Chemical Safety program and Graduate Student Office, a Joint Safety Team workshop will be piloted at the two 2018 national meetings. As of February 25, the workshop has 22 pre-registrants from a wide variety of institutions nationally. It is expected that the workshop will reach its cap of 25 attendees.
- Newsletter development ideas – the committee has been consulting with ACS safety program office and the Committee on Chemical Safety's communications subcommittee about the best approach to developing an ACS Safety newsletter. Full plans for this effort will be described at the New Orleans meeting.
- National show booth reboot – the ACS safety office has suggested that a partnership be developed between CCS, DCHAS, the safety office and the ACS Green Chemistry Institute to "reboot" the current CCS/DCHAS national show booth to clarify its purpose and identify opportunities to save money will updating its look. *The membership committee is interested in pursuing this opportunity and would like guidance from the Executive Committee as to whether this is an appropriate course to pursue.*
- At the February ACS safety summit, it was suggested that the Division be the leader in developing an ACS effort to partner with other professional safety organizations such as AIHA, CSHEMA, ASHRAE and ABSA and develop an engagement plan to pursue this goal. *The membership committee is interested in pursuing this opportunity and would like guidance from the Executive Committee as to whether this is appropriate to pursue.*

The membership committee includes:

Ralph Stuart, chair of the committee

Joe Pickel, past chair of the committee

Kali Serrano, Univ of Illinois, Urbana Champaign

Robin Izzo, Princeton University

Brandon Chance, Southern Methodist University

James Sturdivant, Princeton University

D-CHAS Liaison Report
Spring 2018, New Orleans, LA – 255th National Meeting
ACS BOARD COMMITTEE ON CORPORATION ASSOCIATES
ACS COMMITTEE ON CHEMICAL SAFETY
ACS DIVISION OF CHEMICAL HEALTH and SAFETY

Under the direction of the ACS Board of Directors, the Committee on Corporation Associates (CA) is reorganizing to better serve the interests of the companies which support ACS members and improve communication between those companies and the Board. While many CA programs will be maintained in their current state – such as Heroes of Chemistry – others will be reorganized, moved to other parts of ACS, or eliminated. CA is considering reorganizing the subcommittee on safety into an open forum on industrial chemical safety.

The mission of the CA Industrial Chemical Safety forum is to foster competitive advantages through corporate safety culture. The proposed Forum will interface with CHAS, I&EC, CHED, CCS and others to bring the industrial point-of-view to safety discussions within the Society. This forum will be freely available and open to all members of ACS and their employers. The Forum will work with CHAS and others to enhance technical programming with industrial safety input and will reach out to ACS member's employers to increase safety awareness at their workplaces. The Forum will meet periodically via conference call and will report its progress to the ACS Board through CA. CA wants to enhance, not compete with all other safety elements within the Society. Specific goals of the forum include:

- Maintain safety as part of all CA conversations
- Improve safety practices in internal and external research and development
- Lead ACS Committees in industrial safety awareness
- Improve safety awareness among new-hire candidates
- Leverage and support ACS industry efforts to improve safety culture throughout the chemical enterprise

As this is a “work-in-progress” CA welcomes your thoughts, comments and input.

ACS Online Course in Chemical Safety

The 11-module course is making slow but steady progress. As of the NOLA meeting, the INTRODUCTION and HAZARD ASSESSMENT modules are posted, albeit in draft form. Other modules are in various stages of development. The goal is to have most available by the BOSTON meeting and initiate beta testing before the end of 2018. A formal introduction symposium will be planned for the 2019 Spring National Meeting.

CORPORATION ASSOCIATES Safety Forum

NEAL LANGERMAN

ACS Committee on
Corporation Associates
Safety Subcommittee

Corporation Associates Safety Forum

- Corporation Associates
 - The formal link between the American Chemical Society and chemical and allied industries.
 - Founded 1952
 - Mission: To influence ACS programs, products, and services to meet the needs of chemistry-based enterprises
 - Provide a business and corporate voice to the ACS Board of Directors and across ACS.
- Proposed Safety Forum
 - An open forum on industrial chemical safety

Corporation Associates Safety Forum

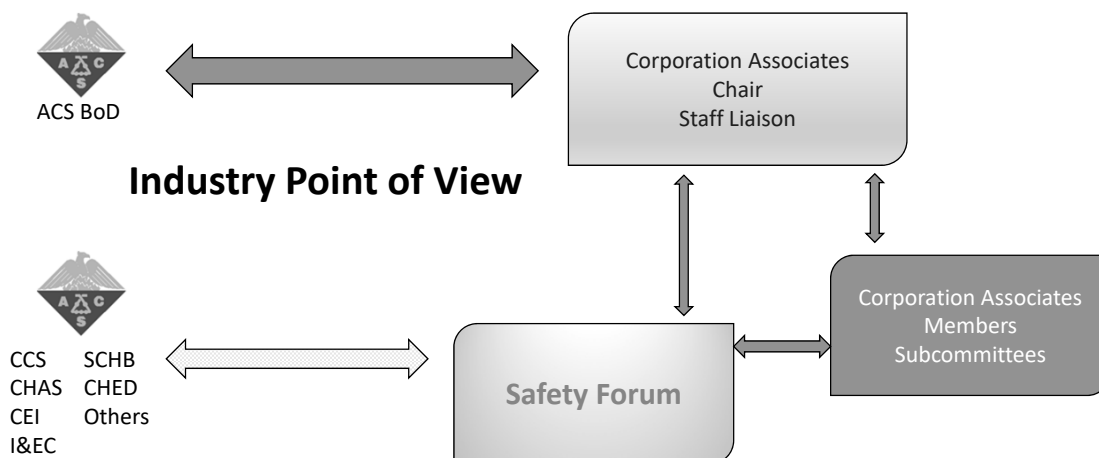
- Safety Forum
 - ACS-related activity
 - Maintain safety as part of all CA conversations
 - Lead ACS Committees in safety awareness
 - Leverage and support ACS industry efforts to improve safety culture throughout the chemical enterprise
 - Chemical Enterprise – related activity
 - Improve safety practices in internal and external research and development
 - Improve safety awareness among new-hire candidates

Advanced Chemical Safety

Making the world safe from ions, molecules & free radicals

3

Corporation Associates Safety Forum



Advanced Chemical Safety

Making the world safe from ions, molecules & free radicals

4

Corporation Associates Safety Forum

- Safety Forum
 - Modeled on industry Round-Tables
 - Open to all ACS members and their employers
 - No cost for membership
 - Goal: enhance the ACS safety dialog
- Comments, Questions, Concerns



**National Registry of Certified Chemists Liaison Report
Spring 2018, New Orleans, LA – 255th National Meeting**

The Chemical Hygiene Officer certification program continues to be popular, particularly among university EH&S departments. There are currently 272 active CHOs, with approximately 100 additional applicants who have yet to pass the exam. The exam is both challenging and comprehensive, covering a wide variety of chemical safety topics.

Since May 1, 2017, NRCC has moved to all computer-based testing. This has streamlined the testing process so that new applicants can realistically expect to be qualified and take their exam in a matter of a few weeks. Results are provided immediately upon completion of the exam.

The CHAS/CCS representatives on the NRCC Board for 2018 are Larry Doemeny and Stefan Wawznyiecki.

Respectfully submitted,

Russ Phifer
Executive Director, NRCC

D-CHAS CANN Subdivision Report
Spring 2018, New Orleans, LA – 255th National Meeting

Membership

- 200+ Members at last access in December
- NO ROSTER ACCESS AS OF 2/25 - please help!

Social

- Parade: Heritage Park @ 3/19, 5:45 PM, route leads north on convention center blvd, turning around at Poydras St followed by a right on John Churchill Chase St. Parade ends at entrance to networking event.
- Networking Event: The Rusty Nail @ 3/19, 6:45 PM

Programming

ACS Spring 2018 Schedule

Sunday March 18th

8AM CHAS EC Hilton Riverside - 2 Poydras St, New Orleans, LA 70130 – Gd Ballroom A
12PM CANN EC – Emeril's Restaurant - 800 Tchoupitoulas New Orleans, LA 70130
Booth 1200 Set up 12-4PM Exposition Hall
6-8PM Booth hours

Monday March 19 th

Booth 1200 Hours:

Symposia: Women in Cannabis: Shaping an emerging industry 8:30AM – 12:35PM

Grand Salon D Sec 21 Hilton New Orleans Riverside

SciMix 8PM – 10PM Halls D/E, Ernest N. Morial Convention Center

CANN Parade: Assemble at Heritage park (John Churchill Blvd) at 545PM march at 6

CANN Networking event at the Rusty Nail 1100 Constance St, New Orleans, LA 70130

6:30 arrive by parade.

Tuesday March 20 th

Booth 1200 Hours:

CHAS: Formulation of Cannabis Products: More than just THC & CBD 1:30PM – 5:30PM

Grand Salon D Sec 21, Hilton New Orleans Riverside

Wednesday March 21 st

CHAS: Heidolph North America's Cannabis Chemistry Subdivision Scholarship
Symposium

Grand Salon D Sec 21, Hilton New Orleans Riverside 9-11:50AM & 1:30-4:30PM

Thursday March 22 nd

I&EC: Separation Science & Technology in the Medical Cannabis & Hemp Industry
Pointe Coupee, Loews New Orleans Hotel 8:00 AM – 12PM

Treasury

- Perkin-Elmer donated \$10,500
- Heidolph donation \$7,500
- Parade pledge of \$800 from private donor
- Lab Society \$6,000 pledge

Initiatives

- IPG for underrepresented chemist membership
- Website redesign
- ListServ - Princeton, or paid?

**D-CHAS Long Range Planning Committee Report
Spring 2018, New Orleans, LA – 255th National Meeting**

ITEM 1: Progress on Issuance Updates Discussed F17, DC

- i. AI 07 Records Retention changes were approved and updated in manual
- ii. AI 105 – Regulatory and Public Affairs Committee changes were approved and updated in manual
- iii. Which AIs need detailed guidance or their own “manual” for continuity? It has been suggested that the Awards committee would fall in this category.
This is still an open question.
- iv. AI 02 – Division Organization Map was updated
- v. AI 107 – Publicity Committee marked as “Dissolved”
- vi. AI 115 – Website Committee marked as “Dissolved”
- vii. AI 117 – Name change to “Regional Meetings Committee” from Regional Meeting Coordinator. The following statement was also added until the committee can come up with the updated issuance language.

“CHAS will support regional activities up to \$500 per year, per region, for a maximum of \$2500 per year. An invoice should be sent to the treasurer when payment is requested.”

- viii. AI 503 Secretary Duties – I updated the “Agenda” to match the dissolved/added committees and Liaisons

AGENDA TOPIC	APPROXIMATE TIME
Welcome from the Chair	5
Officers’ Reports	40
Chair	
Secretary	
Treasurer	
Chair-Elect	
Immediate Past-Chair	
Councilors’ Reports	5
Member-at-Large Report	5
Old Business (As required)	
New Business	
Nominations/Elections	5
Dues	10
Committee Reports	30
Awards	
Long-Range Planning	
Membership	
Publications	
Public Relations	
Regulatory and Public Affairs	

AGENDA TOPIC	APPROXIMATE TIME
Social Training and Workshop Educational Program Team Development Committee Web	
Liaison Reports	30
ACS	
IAC	
CCS	
DAC	
WCC	
CHAL	
ENVR	
AIChE	
NCS Campus Safety	
AIHA	
PHARMA	

ITEM 2: Issuance Updates for Discussion and/or Approval – S18, NO, LA

- i. AI 702 (Service Award) and AI 705 (CHAS Fellow) Listed as “In Revision” awaiting an Ethics Statement
- ii. AI 707 – Lifetime Achievement Award – NEW so needs complete review.

DIVISION OF CHEMICAL HEALTH AND SAFETY
(Draft)

Administrative Issuance 707

0 Function

To recognize a lifetime of dedication and service to the Division of Chemical Health and Safety of the American Chemical Society and to advancing the principles and ideals of health and safety in the chemical enterprise.

1 Date

Original Issuance-----

2 Nature (Suggestions)

A large, laminated plaque (~ 11 X 14 “) with the above wording to which is affixed a double-bladed, stainless steel spatula (~ 7 ” long). One blade of the spatula will be engraved with ACS in shaded letters. The other blade will be similarly engraved with CHAS.

The award will be made at the fall CHAS Awards Symposium. The awardee will give an

award address.

It is not anticipated that this will be an annual award. The award will not be because of length of service, or retirement.

3 Criteria

Awardee must be a member of the Division of Chemical Health and Safety and of ACS.

Awardee must have been an active member of the Division for at least five years. Activity is indicated by the following, e.g.: participation in or moderation of technical sessions at national meetings and / or regional meetings, contributions of articles and service to the CHAS Journal of Chemical Health and Safety and or other publications related to chemical health and safety, holding offices in the division, chairing and serving on division committees, serving on ACS Committee's and task forces, etc.

Awardee has shown support for the goals and activities of CHAS, the ACS, and the chemical health and safety community; and has, through personal effort, helped CHAS and the ACS reach those goals.

4 Ethics Statement

To be developed

- iii. **At the F17 meeting information for AI 706 (The Heidolph North America (HNA) CANN Award) was requested and has been added. Corrections, changes, approval requested**

DIVISION OF CHEMICAL HEALTH AND SAFETY
(Draft)

Administrative Issuance 706

- 0 American Chemical Society's Cannabis Chemistry Subdivision (CANN) of the Division of Chemical Health and Safety (CHAS) Scholarship for Academic Excellence or Commitment, sponsored by Heidolph North America (HNA) or CANNCHASHNA (administered by CHAS)
- 1 Function: This award recognizes outstanding contributions and/or commitments to cannabis chemistry and cannabis science.
- 2 Date:

Original Issuance: 03/02/2017
Revised: 02/09/18
Effective Date: TBD
- 3 Nature of the Awards

A. Criteria:

For three outstanding research papers related to chemical health and safety aspects of cannabis growth, use, and effects.

B. Selection Committee:

A Selection Committee should consist of no less than 8 individuals and no more than 20. One member of the Selection Committee shall be designated as Prodder. The prodders sole responsibility in addition to voting is to reach out to members of the selection committee to assure that they submit their selection on time. A member of the selection committee may apply for the scholarship provided they recuse themselves of the committee for that year.

C. Award:

HNA committed funds for 5 years for annual awards beginning in 2018 (totaling \$37,500), with an option for renewal in 2022. Funds are provided for travel, expenses and plaques for 3 individuals yearly to present their findings at the annual CHAS Awards Symposium at the fall ACS meeting.

If HNA chooses not to renew their commitment, CANN will seek an additional sponsor(s). CANN will not seek any additional funding specifically for the scholarship before 2022, at which point the Award may or may not be renamed.

A maximum of \$1500 will be awarded to at least one person at each national meeting. Plaques and commemorative medals will be included in the budget. Expenses in a given year will not exceed \$7500 until 2022.

HNA will provide literature and examples of equipment at award receptions and to applicants after selection.

D. Prospectus:

HNA underwrites the following mechanism:

1. To recognize excellent accomplishments and/or outstanding commitments to research in cannabis chemistry and cannabis science.
2. To provide recognition for HNA as a source for premium laboratory equipment and a supporter of cannabis chemistry and science.
3. To build upon the quality programming at ACS national meetings by requiring recipients to present at CANN/CHAS symposia.

The mechanism will be administered by CANN through CHAS and will result in no more than seven (7) recipients per year in concert with the CHAS award program.

Recipients are limited to academic researchers, educators or those involved in the cannabis industry. Recipients are required to present a symposium talk and poster at the Spring ACS National Meeting as well as at the CANN Journal Club.

4 Administration of Award

The Administration Committee shall consist of no less than 3 individuals. One shall be designated as Chair, one shall be designated as Secretary and one shall be designated as Vice-Chair. One member should also be from the CHAS Awards Committee.

5. Application Procedure:

Applicants are required to submit a resume and an abstract as well as a guarantee that they (or a co-author) can present at the following Spring Meeting of the ACS. Applications should be sent by email to cannchashna.award@gmail.com where the Admin Committee Chair and the Prodler will have access to them. File should be as a Microsoft Word document titled in the following format: "Lastname" _CVAbstract_ "Year of application". An example of this is Pryor_CVAbstract_2017. If CV or Abstract is missing then the file will be named accordingly.

Abstract and Resume (merged into one document) are distributed to each member of the Selection Committee via email. The committee is given ten (10) days to make 1 (one) vote for their choice. If the votes are equal in number among more members than can be awarded in each year then a second vote will be asked of from each of the Selection Committee members with a 48-hour window for second votes to be cast.

Votes are submitted to the Prodler and the Chair of the Admin Committee, tallied and presented to the Administration Committee. The Administration Committee selects the number and dollar amount of awards for that year.

5. Ethics

To be developed

iv. Suggested revisions for AI 703

DIVISION OF CHEMICAL HEALTH AND SAFETY

Administrative Issuance 703

0 [Tillmanns-Skolnik Award](#)

In Revision

1 Function:

To recognize outstanding, long term service by an individual to the Division of Chemical Health and Safety.

2 Date:

Original Issuance: 09/89

Revised: March 27, 1999

3 Award:

A plaque commemorating the award.

A \$500 prize for expenses so that the recipient can be present at an award symposium at the fall ACS national meeting. The allowance may cover expenses incurred in travel to the ACS meeting, and hotel/meal costs at the meeting. It may not be used to pay meeting registration.

4 Criteria:

Must be a member of the Division of Chemical Health and Safety and of ACS.

Must have been an active member of the Division for at least five years. Activity is indicated by participation in or moderation of technical sessions at national meetings, repeated contributions of articles to CHAS Notes the Journal of Chemical Health & Safety, holding offices in the division, chairing division committees, etc.

Has shown support for the goals and activities of CHAS; and has, through personal effort, helped CHAS reach those goals.

5 Ethics:

To be developed

v. Suggested revisions for AI 704

DIVISION OF CHEMICAL HEALTH AND SAFETY
In Revision

Administrative Issuance 704

0 College and University Health and Safety Award

1 Function:

To recognize the community college, college or university demonstrating an exceptional undergraduate program of chemical laboratory safety

2 Date:

Original Issuance: 08/90

Revised: 04/93, 3/99, 11/07, 1/08, 4/14, 2/18

3 Nature of the Awards:

vi. A Panel of Judges:

—The panel of judges will be made up of three members of CHAS. If possible one member should also serve on the ACS Committee on Chemical Safety, ~~and one on the ACS Committee on Chemical Education.~~

B Deadline:

Nominations should be submitted to the Awards Committee Chair no later than January 1.

4 Award:

The award consists of a plaque recognizing the accomplishment and a \$1000 prize to the institution's chemical sciences department or in a science department closely related to chemistry (Chemical science comprises chemistry, chemical engineering, and multiple disciplinary chemistry-centered sciences), to be used to support its Laboratory Safety Program. The prize is provided by CHAS, along with any sponsors that can be found. Travel expenses to the meeting to accept the award will be provided in accordance with Administrative Issuance [201](#) and an award acceptance talk at the fall CHAS awards symposium is expected.

5 Administration of Award:

The administration of this award resides with CHAS through its Awards Committee. The CHAS Awards Committee Chair is responsible for soliciting nominations for the award and for convening the panel of judges to select the award winner.

If, in the opinion of the judges, no candidate for the award is of sufficient quality to be recognized as "outstanding", no award will be given. Award sponsors will be made aware of this situation as soon as it occurs.

Nomination and/or verification may be made by a local ACS section or nearby ACS member with expertise in laboratory safety.

6 Criteria:

There will be ten categories for judging. Submitted materials for each should include:

- i. Institutional safety policy.
- ii. Chemical hygiene plans for instructional laboratories.
- iii. Evidence of incorporation of safety concepts and sources of information into the curriculum:
 - (1) student rules
 - (2) examinations safety course offerings

- (3) seminars on safety topics
 - (4) results of safety research
 - (5) others
- iv. Chemical waste guidelines, documents, and statistics.
- v. Storage: written policies and description of procedures.
- vi. Prep room: chemical hygiene plan, general policy and procedures.
- vii. Waste minimization: policy, practice, incorporation into curriculum.
- viii. Faculty development: seminars, workshops, production of videotapes, slides, *etc.*
- ix. Laboratories and chemical use areas: conditions:
 - (1) ventilation
 - (2) housekeeping
 - (3) supervision
 - (4) security
 - (5) emergency equipment
 - (6) personal protective equipment:
- x. Accident reports: maintenance, analysis, use.

The award should not be awarded more than once to the same institution unless there are exceptional extenuating circumstances.

7 Sponsor Recognition:

Sponsors shall be recognized with the following statement on the award certificate and other correspondence: “CHAS Collegiate award sponsored through generous contribution from [insert the name(s) of the sources of support].”

8 Other References:

See Administrative Issuance [201](#) related to Speaker Travel, Administrative Issuance [801](#) related to Letter to C&E News, and Administrative Issuance [802](#) related to acknowledgement of support.

9 Ethics

To be developed

vii. Suggested revisions for AI 109 – Membership Committee

DIVISION OF CHEMICAL HEALTH AND SAFETY Administrative Issuance 109

In Revision

0 Membership Committee

1 Function:

The Membership Committee is responsible for communication and outreach to DCHAS members and other ACS stakeholders in order to encourage member recruitment and retention.

2 Date:

Original Issuance:

Revisions: 08/93

Revision/Effective Date: **TBD**

3 Tasks:

TASKS

TIME FRAME

The committee develops member recruitment and involvement programs, such as contributing technical papers and presentations, participation in national and regional meetings, and attendance in Executive Committee subcommittees meetings.

This is a year-round effort, with special focus around national and regional meetings.

The committee maintains the divisional web site, DCHAS-L e-mail list and other electronic outreach efforts.

Ongoing

The committee monitors membership activities (additions and drops) in order to identify patterns that suggest improvements in outreach.

Ongoing.

The committee sets goals for the membership activities in order to assess the success of its work and identify new opportunities for membership development

Annual goals are set in January

4. Reference Bylaw V. Committees and Liaison Representatives, [Section 4 \(f\) \(2\)](#).

viii. Suggested revisions for AI 119 – Development Committee

DIVISION OF CHEMICAL HEALTH AND SAFETY

Administrative Issuance 119

To be created

0 Development Committee

1 Function:

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

The Committee is responsible for preparing and publishing materials that promote funding opportunities in close collaboration with CHAS Executive Committee, CHAS Awards Committee, ACS National Awards program, the ACS Development Office.

2 Date:

Original Issuance: 8/20/2017

3 Suggested Tasks and Time Frame

TASKS

TIME FRAME

Update AI 804 “CHAS Underwriting Opportunities”

As needed

The Chair of this committee is the designated liaison to the ACS Development Office and should report fundraising activities to that office while stay abreast of sponsorship activities of the ACS. The Chair will also convey official comment to the ACS Development Office, if necessary, and provide the CHAS Executive Committee with updates from the ACS Development Office.

This is a continuous activity

A written report detailing the committee’s activities and sponsorship opportunities relevant to the Division shall be submitted to the Division Secretary.

This should be done before each national ACS meeting on a semiannual basis.

The Chair will maintain a sponsorship database, prepare and sends correspondences to current and potential sponsors, and serve as the primary contact for all fundraising activity.

This is an intermittent activity

D-CHAS Strategic Planning Update
Spring 2018, New Orleans, LA – 255th National Meeting
Joe Pickel & Sammye Sigmann

GOAL 1: Sponsor two educational programs per year on chemical health and safety topics: 1 on fundamentals, 1 on advanced topics. [Impact, H; Resources, L-M]				
Strategy		Champion	Impact/Resources	Progress
1-1	Expand and rename the Workshop Committee to the Education Program Team (EPT) to manage courses, workshops, webinars and other education offerings by the Boston August 2015 meeting.	Russ Phifer	High/Low	
1.2	The EPT will develop an education course plan by May 2016.	Kimi Bush	High/Medium	
1.3	The EPT will perform a survey to measure interest in possible advanced topics, venues, delivery formats, and length of courses by July 2016.	Ellen Sweet	High/Low	<i>Completed (I think). The graduate workshop may be a result of data gathered?</i>
GOAL 2: CHAS will be the preferred and accepted resource for authoritative chemical health and safety information. [Impact, H; Resources, M-H]				
Strategy		Champion	Impact/Resources	Progress
2.1	2-1. Redesign the DCHAS website by end of 2016.	Ralph Stuart	High/High	<i>The website is well monitored, and design is ongoing.</i>
2.2	Have a programming presence at two regional meetings by end of 2016. <i>[Impact, M; Resources, M]</i> [Champion: Harry Elston]	Harry Elston	Medium/Medium	<i>-The EC has committed \$2500 per year to support programming at four regional meetings.</i> <i>-We had a strong presence at SERMACS (F17)</i> <i>-We have had two requests for support of meetings in 2019 (NORM & CERM)</i>
2.3	2-3. Use a pilot webinar (by San Diego Meeting) to develop a model for presenting webinars by end of 2016	Frankie Wood-Black	High/Medium	<i>While I don't think we have a "model". Several webinars have been presented.</i>
2.4	By the end of 2016, develop a repository where CHAS professionals can go to find a list of reference materials	Monique Wilhelm	High/Medium	<i>The ACS "Safety" website?</i>

GOAL 3: <i>Be a visible advocate and champion for the Chemical Health and Safety mission to the ACS and the public. [Impact, H; Resources, M]</i>				
Strategy		Champion	Impact/Resources	Progress
3.1	<i>Develop a lessons learned collection distribution system that consists of "Lab near miss" app, mini-grant program for lessons learned video (1/quarter), use social media to solicit lessons learned experiences, and network with The Safety Zone blog.</i>	Neal Langerman	High/High	
3.2	<i>Investigate feasibility of present "Ask Dr. Safety" on the Expo floor with demos in San Diego (2016), put on the web page (2016), and develop an app to support "Ask Dr. Safety" (2018).</i>	Neal Langerman	High/Medium	
3.3	<i>Develop an organizational neural network map of DCHAS in 2016.</i>	Jim Crandall	High/Low	
GOAL 4: <i>Increase a diverse and active membership and expand leadership opportunities. [Impact, H; Resources, H]</i>				
Strategy		Champion	Impact/Resources	Progress
4.1	<i>Increase membership by 10% (100 members) by the end of 2016.</i>	Joe Pickel	High/High	
4.2	<i>Identify at least 1 successor for each CHAS leadership role by January 2016.</i>	Tim Black	High/Low	
4.3	<i>Increase attendance by 25% at CHAS sponsored events by January 2017.</i>	Tim Black	Medium/Medium	
4.4	<i>Expand DCHAS liaisons to 10 divisions by July 2017.</i>	Tim Black	Medium/Low	<i>I believe that we have developed several additional ones</i>
4.5	<i>Develop (6 mos) and implement (18 mos) a plan to leverage social media tool to increase and diversify membership</i>	Brandon Chance	High/Medium	
4.6	<i>Improve "Get Involved" website By 2016. Champion: Brandon Chance. Combined with 2-1</i>	Brandon Chance	High/High	

ANDREW PHAM

Chair, Cannabis Chemistry Subdivision
 2045 Burton St Apt 53
 San Diego CA 92111-7055

10 March 2018

By email: phamuraimd@gmail.com

No printed copy to follow

Dear Andrew:

I am writing today to inform you that a concern has been raised by multiple members of CHAS regarding a lack of safety related programming and failure to conform to standard administrative practices of the division. The Interim committee of CHAS has discussed these issues and has voted to notify you of our expectation that CANN's performance in these areas will improve in order to remain a subdivision of CHAS beyond 31 December 2019.

The Cannabis Chemistry Subdivision (CANN) of the Division of Chemical Health and Safety (CHAS) has been in existence since 1 January 2016. During that time, CANN has demonstrated impressive membership growth and has provided ACS with technical programming primarily addressing extraction, processing and analysis. CANN has also demonstrated unique capabilities in fund-raising and social networking. The leadership of CHAS recognizes these accomplishments and supports their continuation by CANN members.

There are two areas, however, in which CANN has failed to meet the expectations of CHAS and which require immediate and substantive improvement. These are (1) technical programming which addresses health and safety concerns across the cannabis industry and (2) CANN adherence to the administrative practices and procedures of CHAS. With this letter, the CHAS Executive Committee (EC) is specifically notifying CANN that marked improvement must be made and maintained immediately for CANN's relation to CHAS as a Subdivision to continue after 31 December 2020.

Technical Programing

The Mission of CHAS is to provide authoritative technical resources and mentorship in chemical health and safety for all. CHAS expects that all aspects of our professional activity be consistent with this Mission. We have reviewed all the technical programming done by CANN from Denver in 2015 through New Orleans in 2018. Only one session, at the Denver meeting which was organized by two CHAS members, has specifically addressed chemical health and safety. CHAS members have also planned chemical health and safety programming regarding Cannabis for the 2018 Fall National Meeting in Boston. **During the remainder of 2018 and all of 2019 CHAS**

expects CANN to provide robust chemical health and safety programming as part of its presence at the National Meetings.

CANN has established a variety of out-reach activities including networking events, a journal club and social media presence. Again, CHAS has noted the conspicuous absence of information related to the CHAS Mission. **During the remainder of 2018 and all of 2019 CHAS expects CANN to provide vigorous attention to chemical health and safety in all its out-reach activity.**

CHAS hosts a very active listserver, which is driven by member questions. This valuable resource should have a Cannabis safety presence. **CHAS expects CANN to initiate and lead discussions related to Cannabis safety on the listserver regularly.**

CHAS publishes the Journal of Chemical Health and Safety. **CHAS recognizes that CANN has contributed peer-reviewed articles and expects CANN to continue to do so.**

Administrative Practices

CHAS is a complex organization with an annual budget in excess of \$100,000. It serves some 1400 members plus the entire membership of the ACS. This organization is effectively administered by approximately 25 volunteers, most of whom provide their time to CHAS in addition to their fulltime employment. Their time is precious. CHAS succeeds because all the volunteers respect the commitment of others and provide for a smooth workflow by following established business practices and professional norms. Unfortunately, CANN has repeatedly and flagrantly violated these administrative practices and norms, causing others to expend their valuable time to clean-up after CANN.

Examples of such incidents include networking event arrangements, in which CHAS has repeatedly told CANN that such arrangements must be reviewed by the CHAS Treasurer, only to have CANN ignore such instructions. While CHAS has a PayPal account, CHAS has asked that donors be invoiced by CHAS, allowing them to make donations by credit card directly from the invoice. The recent Perkin-Elmer donation was made via PayPal, even though CANN was specifically told not to do it via PayPal. Getting those funds transferred from PayPal to the CHAS checking account required more than 15 hours work by the CHAS Treasurer. Using an invoice would have required less than five minutes and the funds would have been available within 48 hours of the Perkin-Elmer payment. A check would be even easier. CHAS publishes all its activities at each National Meeting via CHAS-at-a-Glance. For the New Orleans meeting, CANN failed to notify the programming team of CHAS about its planned activity. After being asked, the programming team needed revise CHAS-at-a-Glance to include CANN events. This is unfair to those who create the document.

CHAS has a well-developed, readily available (<https://dchas.org/wp-content/uploads/2018/02/ADMIN-2018-January.pdf>) Administrative Manual which presents the established practices in detail. **During the remainder of 2018 and all of 2019 CHAS expects CANN to develop and implement internal practices which are consistent with the CHAS**

Administrative Manual and to demonstrate robust respect for the time of other CHAS and CANN members.

CHAS wants CANN to succeed. The liaison between CHAS and CANN (currently Russ Phifer) is the lead person to whom CANN should address efforts to improve its performance. The minimum performance expectations for CANN are:

- Monthly report to the CHAS EC on activities consistent with the CHAS mission
- Monthly report to the EC on networking and related activities planned and executed
- Detailed information about events planned for National Meetings at least 10 weeks prior to the National Meeting to the CHAS Programming Team with updates as needed
- Close cooperation with the CHAS Treasurer in all financial, business, or contractual matters
- A clear demonstration that the ACS core value of safety is a core value of the CANN membership.

CHAS offers this performance notification to help CANN improve. To be clear, if CANN fails to convince the CHAS EC of its commitment to chemical health and safety and its willingness to behave as a team-player, then CHAS will undertake actions needed in 2020 to terminate CANN as a Subdivision.

Sincerely,

Joseph Pickel
CHAIR, CHAS 2018