

- d) In a general way HIST is doing well. There is \$107,463.11 of unobligated funds as of March 22, 2019.
- e) Treasurer's Report. The Quicken summary of income/expense for 2018 to date is attached.

TOTAL OBLIGATED FUNDS as of 3/22/2019

Citations Travel	\$ 4,103.16
Citations	\$ 241.56
Archives IPGA + James J. Bohning Memorial Fund	\$ 2,413.44
MVO Nat Inv IPGA	\$ 265.08
Past Pres IPGA	\$ 2,715.14
SERMACS IPGA	\$ 2,222.30
HIST Award (Contributions + Dividends)	\$ 5,227.77
See and Be Seen	\$ 1,500.00
Fontani Book Fund - Fontani HIST membership	\$ 250.00
Past Pres	\$ 2,715.14
HIST Award Symp F2019	\$ 500.00
Cuba 2018 IPGA	\$ 4,600.00
HIST - 150th Anniv Periodic Table	\$ 1,500.00
HIST - Archaeological Chemistry	\$ 2,000.00
HIST - Pioneers of Magnetic Resonance	\$ 1,000.00
Random Income - ACS	\$ 7,500.00
	\$ 38,753.59

BANK BALANCE as of 2/28/2019

Checking account	\$ 46,489.38
Total checks not cleared	\$ (1,130.00)
Deposits not cleared	\$ 47.50
AVAILABLE - Checking	\$ 45,406.88
AVAILABLE - Savings	\$ 100,809.82
TOTAL AVAILABLE	\$ 146,216.70

TOTAL UNOBLIGATED FUNDS as of 3/22/2019

\$ 107,463.11

- e. There was a discussion of giving reduced rates for membership for emeritus members, starting in 2020. The proposal was to go to half of the current dues, or \$10/year dues. This motion was approved unanimously.
- f. There was discussion of a proposal to offer free one-year memberships in HIST to members of other small divisions, such as CINF. This motion was approved unanimously. We need to think about the process and the rotation of divisions.

Vera noted that HIST can make this offer, but the member would need to email and ask for free membership. Mary Virginia asked whether we invite our symposium speakers to join for a free year's membership. Vera has done this in the past but found that most symposium speakers don't fill out the forms. The consensus was that Vera should contact CINF and ask if they would be interested. Vera needs the ACS membership number, name, address and email, along with a request from the member to join.

- g. Carmen brought a copy of a memorial for Paul Jones written by Martin Saltzman which several members thought would be appropriate for posting on the HIST website. Carmen will check with Marty about permission to post.
 - h. Vera reported that HIST had received \$7500 from ACS for an undetermined purpose. She queried ACS, and was eventually told that it was for the 2018 Cuba IPG, for which she had already received funds and which has since been cancelled. She just received word that the money was issued in error and she can send the money back.
 - i. Nick asked about submitting a new IPG. There was discussion about when that could happen, as we currently have two (Harris and NCW/Arch) active. Final reports need to be submitted before a new one can be sent in. Roger thought there was a possibility of submitting an interim report after the national meeting with the major activity. If anyone is interested, they should check with the chair of DAC. Nick suggested a competition for Art and the Periodic Table or Elements in Art. The consensus was that he should move forward with this. Mary Virginia thought she could submit a report as the unfinished activities are in process (website, NCW activities) before the July 1st deadline.
- 3) **Report from Program Chair**, Nicolay Tsarevsky; future symposia list attached.
- a. San Diego will be very busy, with programming likely to continue through Wednesday afternoon. The Bibliography symposium is Sunday morning and the 150th Anniversary of the Periodic Table will go Sunday afternoon and all day Monday. The HIST Award symposium is all day Tuesday. Wednesday morning will be the 150th anniversary of the Journal of the Russian Chemical Society and general papers Wednesday afternoon. HIST will be co-located with INOR because of their support. The 150th periodic table symposium will be a PRES event.
 - b. Philadelphia will have the history of Polymer science symposium, which will be at least a one day symposium and possibly 1-1/2 days. Roger has agreed to help Jan with a Past President's symposium. Mary Virginia and Dan suggested a symposium on Alfred Bader.
 - c. Jan is thinking of a full day on Seaborg at the San Francisco meeting. Vera suggested she contact LBL and Lawrence Livermore with possible programming.
 - d. San Antonio Spring 2021 programming is completely open. Jan noted she will try to connect with someone in Mexico for this meeting given the location. Nick thought he could try to program for Chemistry and Forensics for this meeting.
 - e. Nick said he would send the update on the MPPG themes for upcoming meetings.
 - f. Nick needs material for the Newsletter earlier if possible, up to six weeks prior to the meeting date would be optimal. Since this is printed, we need some lead time. Seth noted that he always started asking for material 2-3 weeks prior to when he

wanted it. Vera suggested that we add a map of our venue to the newsletter if available from ACS. It was suggested that we have 100-150 extra newsletters printed for the San Diego meeting and Vera will take care of that.

- g. Mary Virginia reported that the Archeological Symposium had an attendance count today around 70. The symposium was highlighted by *Chem. Eng. News* in the mailing prior to the meeting. They also highlighted one of the speakers, Karen Steelman, as someone to connect with. Mary Virginia had commissioned art for a poster for the symposium and then found out that ACS is now requiring their own branding for any posters and would not allow any but their own to be posted anywhere in the venues. Mary Virginia was required to purchase posters from ACS. Mary Virginia is sending a pdf of her poster to speakers as a keepsake. Cambridge Scholars approached Seth about a symposium volume. This would likely be a similar process as to World Scientific volume for the Pacificchem symposium. Seth noted that Cambridge Scholars isn't Cambridge Univ. Press but related to it.
- 4) **Report from Councilors**, Mary Virginia Orna and Roger Egolf; report attached.
- a. Mary Virginia Orna is serving on DAC, on their new subcommittee on Technical Enhancement and Collaboration. The idea is to work with Divisions in terms of trying to encourage collaboration and help the Divisions with any technical issues. A proposal has been made on Convergent Research Communities (name will change). It is noted that there have been several recent requests for new divisions such as Space Science and Material Science, which do not believe they have a "home" in a current division. This initiative's intent is to try to program across divisional lines in order to be responsive to current or national interests. No division would be penalized to support this initiative. It is intended to be different from MPPG or BioSecretariat (now defunct). These wouldn't be permanent, maybe only one programming episode. Mary Virginia views it as making divisional turf flexible. Divisions will be sent whatever is developed for comment in the next few months. She has suggested that they might want to address regional programming as well, but doesn't know if they will take it up. DAC wants to make sure that every division understands strategic planning and that they can apply for \$7500 for this purpose outside of the IPG requests. The last time HIST did strategic planning was in 2008. Vera said she doesn't value it over spending money for programming since the \$7500 only covers about half of the costs. Roger said he wasn't sure it was really valuable. He has participated in the ACS "product" but thought it was rushed and didn't allow enough time to think and actually come to a final plan. DAC is talking seriously about going to electronic posters. No one knows how it would be done, whether it was possible, etc. Roger said they are talking about this in M&E, and no one there knows how that would be done, either. Seth was concerned about who would be controlling the files. DAC is developing an IPG scoring rubric: 1) Innovation – incremental innovation is not innovation; 2) Sustainability – most proposals woefully under-address sustainability; 3) Impact - on division itself; 4) Leverage – will division put funds into project. Vera asked whether ACS would consider a symposium volume as a long-range impact. Mary Virginia thought they would not consider this. Seth thought this is what they say but not what they'll do as it depends on

what submissions they receive. Roger thought this sounded like a re-run of things he heard in the past during his service on DAC. Janet Bryant is in charge of this new rubric and seems serious about making it work. Mary Virginia also reported a talk in DAC about sexual harassment, especially if someone is denigrated because of a protected characteristic.

- b. Roger Egolf serves on M&E. M&E voted to completely change the way meeting rooms are allocated. As part of this, they will move abstract submission deadlines later to about 1 month after a national meeting. They have also changed the way programming is done so that they restrict the number of rooms based on a historical averages. They will then allocate rooms before abstract submissions open. This would lead to the capping of rooms. This would lead to no opportunity for growth as it would cap the number of rooms for each division. Vera says this is insane; ACS says they would support going to a single national meeting and let divisions do their own meeting once a year with support from ACS. Roger said this meeting has 140 concurrent sessions which he believes is too many. The difference between capping and limiting would be based on historical data so some division's growth would be curtailed. Seth said they should put caps on the number of rooms but not limit them. Seth also noted that there used to have up to 60 concurrent sessions, then 80 concurrent sessions. M&E wants to use this as a tool to force more posters. Vera noted that forcing poster presentations would limit industrial participation. Roger said this would be enforced starting at San Francisco. There is supposed to be a lunch for program chairs at San Diego to discuss how this will work. They also discussed going to one national meeting/year and then having the division have its own separate, second meeting. M&E also decided to stop additional \$15 added to meeting registration that was approved for 5 years. This would have been the 4th year of a 5 year process. In fact, they are projecting a 17% profit for this meeting. Vera noted that the profit might be because there are 140 concurrent sessions. Roger noted that the last item on the agenda was supposed to be "Re-imaging National Meetings" and it was struck off the agenda.

5) **Report from Chair-Elect**, Seth Rasmussen

Seth asked by ACS as representative of HIST as to his views about the ACS website. He asked for members to let him know if you have anything you want him to pass along. Seth's experience is that unless you already know where the material is, you can't find it. Seth noted that our recent efforts with championing HIST at regional meetings is paying off as he keeps getting requests for programming at regional meetings. He is trying to help them understand how that works, i.e., the regional programming chairs should have someone to do their HIST programming.

6) **Report from Past Chair**, Ronald Brashear; no report

7) **Report from the HIST Awards Subcommittee**

- a. Jury Committee for 2020 award - Ron Brashear/Dan Rabinovich. For the 2020 jury, we need someone to replace John Sharkey. Brigitte van Tiggelen was suggested and Ron will contact her. Carmen suggested Annette Lykness. Ron knows of her and thinks she would do a good job.
- b. Jury Committee for 2017 and 2018 Outstanding Paper Award - Ron Brashear/Dan Rabinovich. The last OPA Award was given for the 2016 award. We could

present the 2017 (for paper published in 2015, 2016, 2017) and 2018 (for paper published in 2016, 2017, 2018). We need to establish the jury committees for these awards and for the future awards. Ron would like to get some gender diversity but those he approached turned him down. Carmen suggested Jessica Epstein, who has published a couple of papers. This committee meets only via email. European possibilities include Helge Kragh and Geoff Leigh. Joe Jeffers and Gary Patterson were also suggested. Usually the chair invites new members. Ron suggested having one committee doing both the 2017 and 2018 awards. Dan said he is willing to continue. Carmen will send Helge and Geoff's email addresses to Dan. We need to get one new member to sit on the committee to award the 2017 and 2018 awards, and continue on to the 2019 award committee.

- c. A proposal was made that the OPA award be renamed the "Paul R. Jones Outstanding Paper Award." The motion was unanimously approved.
 - d. A request was made to increase HIST support from \$600 to \$750 if the current donor for the CCB increased their support from \$1200 to \$1500. It was unanimously approved.
 - e. The CCB Annual Report is **attached**. The CCB program continues to be popular.
- 8) **Report from Archivist**, John Sharkey; The archives finding aid is up to date. No other report.
- 9) **Report from *Bulletin* Editor**, Carmen Giunta
The *Bulletin* in good shape for two on-time issues this year. Issue 44(1) is being assembled now. Issue 44(2) will include papers from the David Lewis HIST Award symposium. Most of these papers are already in and others are coming. Ernst Homburg is sending in his HIST Award address for publication in the *Bulletin*. Vera and Carmen need to talk about putting the doi file together and will continue discussions, including the UIUC Chemistry Librarian, off-line. It was noted that there are some mistakes on the inside back cover, which lists members of the Executive Committee. Nick asked about putting together a list of titles of all papers published. Vera noted that the google search engine internal to the HIST website did not work for awhile but now does. Carmen and Vera will discuss this.
- 10) **Report from Historian**, Gary Patterson
The Historian has been busy, even though he was absent from Boston and Orlando. He has finished his latest book: "Chemistry in 17th Century New England" (Springer). This grew out of the Philadelphia Symposium on "Chemistry in America before 1876." He is running two symposia in San Diego: The Bibliography of Chemistry (with CINF), and jointly with POLY "Statistical Mechanics of Chain Molecules: The 50th anniversary of Polymer Science." He would also like to plan a symposium for Philadelphia (perhaps helping Nick and Seth on the Polymer History one.) Gary made a formal request for \$500 HIST support for the Bibliography Symposium and also \$500 HIST support for the POLY symposium (it is 4 full sessions, but POLY is supporting at \$2000), both symposia in San Diego, Fall 2019.
- 11) **Report from the Alternate Councilors**, Art Greenberg; no report.
 - a. MPPG Meeting Themes Update – Nick said he would send this to Vera.
- 12) **OLD BUSINESS:**
 - a. ACS Fellows Program – Tom Strom's will submit a nomination for Seth Rasmussen.

- b. HIST Division 100th Anniversary - Formation of Committee to write Division history
- c. HIST Division 100th Anniversary - Formation of Planning Committee
- d. Pacifichem 2020 Symposium – Seth Rasmussen reported that our symposium proposal was accepted, with a planned schedule of two half-day sessions. Our topic is “Hands across the Pacific, History of Exchange Programs Across the Pacific Rim.” We are listed on the webpage with Seth’s contact information posted. Japan is taking the lead on this meeting, so Seth would like an update on the funding situation. We recommended Seth connect with ACS and see what they say about support. As part of the proposal, we had a list of 18 potential speakers. We need to prioritize speakers and send out invitations.
- e.

13) NEW BUSINESS:

- a. Proposal to print t-shirts celebrating the IYPT – Carmen Giunta. Vera said the symposium had funds for 50 shirts, based on \$10/shirt. Vera suggested that we put both the HIST and INOR logo on the shirt. Everyone thought this was a good idea. Nick suggested we should consider HIST pins. Vera suggested that we get a quote for them and see what they cost.
- b. Proposal for a new divisional award - HIST Fellows – Seth Rasmussen. HIST has no award for members except random Certificates of Appreciation. At least eight divisions have fellows or similar awards, see attached. We could do this for very little cost if we sent out paper certificates. The consensus was to have Seth consider putting together an SOP. Vera was asked to put up list of ACS Fellows under Awards and keep it current.
- c. Discuss possible editors for spin-off volumes of Wiley's Encyclopedia of Superheavy Elements – Mary Virginia Orna. Possible editors are needed for possible spin-off volumes. Vera said she would send Kit Chapman, Al Sattelberger, Dawn Shaughnessy and Ana de Bettencourt-Dias’s emails to Mary Virginia.
- d. HIST Funding Request form – Dan Rabinovich; Dan thought having a form to fill out for funding for regional or national meeting sessions would help keep track of them. He volunteered to put such a form together.

The meeting ended at 7:15pm.

Appendices

Appendix 1: Quicken Summary, Income/Expenses to date

Appendix 2: Future Symposia Schedule

Appendix 3: Councilors' Report from Orlando, FL

Appendix 4: CCB Annual Report

Appendix 5: Report of Divisional Fellowship Program

2019 Itemized Categories Report - Year To Date

1/1/2019 through 3/22/2019

3/22/2019

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Date	Acco...	Num	Description	Memo	Tag	Clr	Amount
INCOME							9,889.30
Bulletin - Lib							510.00
1/16/2019	Buse...	DEP	Cox Subscriptions Ck#13811264	UMich 2019		R	40.00
1/16/2019	Buse...	DEP	Linda Hall Library CK#17658	2018, 2019		R	80.00
1/16/2019	Buse...	DEP	... Museo Di Storia Della Scienza	2019		R	50.00
1/16/2019	Buse...	DEP	... Cornell University PayPal Payment	2018, 2019		R	80.00
2/16/2019	Buse...	DEP	Lehigh University Ck#10495471	2018 and 2019		R	80.00
2/16/2019	Buse...	DEP	EBSCO - Ck#2969938	Univ New Hampshire - 2019		R	40.00
2/16/2019	Buse...	DEP	Univ Of Cincinnati Ck#0504110	2019		R	40.00
2/16/2019	Buse...	DEP	LM Information Delivery Ck#13134	2019 Univ de Valencia Bibl		R	50.00
2/28/2019	Buse...	DEP	... Museum Boerhaave	2019			50.00
Donations							1,850.00
HIST Award							1,500.00
2/16/2019	Buse...	DEP	... Vera Mainz - Ck#4606			R	1,500.00
OPA							350.00
2/16/2019	Buse...	DEP	... Vera Mainz - Ck#4606			R	350.00
Grants & Awards							7,500.00
IPG-Jan2019							7,500.00
1/11/2019	Buse...	DEP	ACS/EFT Remittance	Not sure what this is for		R	7,500.00
Int Inc							29.30
1/31/2019	Buse...	DEP	Interest			R	15.41
2/28/2019	Buse...	DEP	Interest			R	13.89
EXPENSES							-9,468.77
Award							-275.00
MVO IPG NatChemWeek							-275.00
3/15/2019	Buse...	1368	TE Graphics	poster			-275.00
Award-Non-Meeting							-430.00
Citation ChemBreakthroughs							-430.00
2/26/2019	Buse...	1366	Stellar Kent - Invoice 6765	CCB James and Martin 2017			-430.00
Bank Chrg							-7.62
PayPal Transaction Fee							-7.62
1/16/2019	Buse...	DEP	... Museo Di Storia Della Scienza	PayPal transaction fee		R	-2.50
1/16/2019	Buse...	DEP	... Cornell University PayPal Payment			R	-2.62
2/28/2019	Buse...	DEP	... Museum Boerhaave				-2.50
Bulletin							-8,000.00

2019 Itemized Categories Report - Year To Date

1/1/2019 through 3/22/2019

3/22/2019

Page 2

Date	Acco...	Num	Description	Memo	Tag	Clr	Amount
Other Bulletin							-8,000.00
1/14/2019	Buse...	1364	Le Moyne College	Bulletin expenses		R	-8,000.00
Division Admin							-756.15
DLC-P2C2							-756.15
2/13/2019	Buse...	1365	Nicolay Tsarevsky	2019 Leadership Institute		R	-331.15
3/12/2019	Buse...	1367	ACS Invoice 17233451	2019 - Nick Tsarevsky			-425.00
OVERALL TOTAL							420.53

FUTURE HIST SYMPOSIA

Meeting dates	Location	HIST symposia	Notes
August 19-23, 2018	Boston	<ol style="list-style-type: none"> 1. Louis Pasteur's Discovery of Molecular Chirality: Review and Analysis on the 170th Anniversary (1 day) [Greg Girolami, Joe Gal] 2. Past ACS Presidents: The Life and Career of Arthur Cope (1/2-1 day) [Roger Egolf, Jan Hayes] 3. HIST Award Symposium Honoring David Lewis (1 day; Tuesday) [Seth Rasmussen] 	<p>Nanotechnology</p> <p>Abstract submission deadline: March 26. Organizers deadline: April 4</p>
March 31 – April 4, 2019	Orlando	<ol style="list-style-type: none"> 1. Archaeological Chemistry (2 days) [Seth Rasmussen, Mary Virginia Orna] 2. Pioneers of Magnetic Resonance [Vera Mainz, Tom Strom] 	Chemistry for New Frontiers
August 25-29, 2019	San Diego	<ol style="list-style-type: none"> 1. HIST Award (Tuesday, 1 day) 2. 150 Years of the Periodic Table (1.5 days) [Carmen Giunta, Vera Mainz, Greg Girolami] 3. The Bibliography of Chemistry (1/2 day) [Gary Patterson] 4. 150 Years of the Publication of the 1st issue of Zhurnal Russkogo Fiziko-Himicheskogo Obshtestva (1/2 day) [David Lewis, Nick Tsarevsky] 	Chemistry of Water
March 22-26, 2020	Philadelphia	<ol style="list-style-type: none"> 1. History of Polymer Science (1+ days) [Nick Tsarevsky, Seth Rasmussen, Gary Patterson] 2. Past ACS Presidents: Daryle H. Busch (1/2 day) [Jan Hayes] 3. The Life and Legacy of Alfred Bader (1/2-1 day) [Mary Virginia Orna] 	Macromolecular Chemistry: The Second Century
August 23-27, 2020	San Francisco	<ol style="list-style-type: none"> 1. HIST Award (Tuesday) 2. The Science and Legacy of Glenn Seaborg (1/2 day) [Jan Hayes] 3. Springer Briefs in the History of Chemistry: 10th Anniversary [Seth Rasmussen] 	Chemistry from Bench to Market
March 21-25, 2021	San Antonio		Chemistry across Borders
August 22-26, 2021	Atlanta		Sustainable Use of Non-Renewable Resources
March 20-24, 2022	San Diego		

Future

1. The History of Chemical Nomenclature [Seth Rasmussen]
 2. History of Forensic Chemistry [Nick Tsarevsky]
 3. The Chemistry Olympiads [Nick Tsarevsky]
 4. History of Glass and Glass-blowing [Seth Rasmussen, Dan Rabinovich]
 5. Disabled Chemists (1/2 day?) [David Lewis]
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**DIVISION OF THE HISTORY OF CHEMISTRY
COUNCILORS' REPORT
American Chemical Society – 257th ACS National Meeting
Orlando, FL
April 3, 2019**

1. Actions of the Council

A. Elections

Election Results: Candidates for President-Elect, 2020

- The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2020: Magid Abou-Gharbia, H.N. Cheng, Carol A. Duane, and Christopher J. Welch. By electronic ballot, the Council selected **H.N. Cheng** and **Carol A. Duane** as **candidates for 2020 President-Elect**. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

President-Elect, 2020

Nominee	1 st Round	2 nd Round
Magid Abou-Gharbia	72	
*H. N. Cheng	145	191
*Carol A. Duane	125	177
Christopher J. Welch	82	

Candidates for Districts II and IV

- The Committee on Nominations and Elections announced the results of the election held prior to the Orlando meeting to select *candidates* from the list of *nominees* for Directors from District II and District IV on the Board of Directors for the term 2020-2022. By internet ballot, the Councilors from these districts selected **Christina C. Bodurow** and **Dawn Mason** as **District II candidates**; and **Rigoberto Hernandez** and **Lisa Houston** as **District IV candidates**. Ballots will be distributed on or before October 1 to all ACS members in District II and District IV for election of a Director from each District.

DISTRICT II^a

Nominee	1st Round	2nd Round	3rd Round
* Christina C. Bodurow	39		
Mark E. Jones	2	12	
* Dawn Mason	12	24	29
Angela K. Wilson	3	15	22

DISTRICT IV^a

Nominee	1 st Round	2 nd Round	3 rd Round
Lissa A. Dulany	12	14	
James C. Carver	9		
* Rigoberto Hernandez	27	30	35
* Lisa Houston	22	26	35

Candidates for Directors-at-Large

- The Committee on Nominations and Elections announced the selection of the following **candidates for Directors-at-Large** for 2020-2022 terms: **Harmon B. Abrahamson, G. Bryan Balazs, D. Richard Cobb, and Dorothy J. Phillips**. The election of two Directors-at-Large from among these four candidates and any selected via petition will be conducted in the fall. Ballots will be distributed to the Council on or before October 1, 2019.

B. Other Council Actions

Amendment to the ACS Constitution and Bylaws

- The Council approved the Petition to Streamline the ACS Governing Documents [Constitution Articles I-XIX, Bylaws I-XIV, and Standing Rules I-IX], which will reorganize the fundamental governing documents of the Society: the Constitution and Bylaws, and create a third document: Standing Rules. These three documents will function as a hierarchy. The Constitution should define; the Bylaws should authorize; and the Standing Rules should operationalize. Additionally, an Amendment was voted upon, and passed by recorded vote:
 - That language proposed as Standing Rule II, Sections 2 a, 2 b, and 2 g be moved to the Bylaws as new Sections 2 a, 2 b, and 2 c of proposed Bylaw III with appropriate renumbering of the other sections of Bylaw III and Standing Rule II.
- The Petition will become effective if and when the proposed changes to the Constitution are approved by the Membership of the Society, and if and when the Board of Directors approves the Petition. Because the changes to the ACS Governing Documents are substantial, the Council authorized the ACS Secretary and General Counsel and the Committee on Constitution & Bylaws to correct minor technical mistakes in the Petition.

Council Special Discussion

- ACS President Bonnie Charpentier led a special discussion on ACS Relevance to Current and Future Members: Challenges and Opportunities. Councilors had been asked prior to Orlando to discuss the ACS value proposition with their local sections or divisions and bring that input to Council. Councilors provided many recommendations and suggestions including increased support for local sections and industry members, helping student members transition into their professional careers, and implementing a monthly payment tool for ACS dues. These, and all the other ideas and input submitted, will be shared with the Committee on Membership Affairs and the ACS Membership Division for further research or implementation.

2020 Member Dues

- The Council voted on the recommendation of the Committee on Budget and Finance (B&F) to set the member dues for 2020 at the 2019 rate of \$175.

Continuation of Committees

- The Council approved the recommendation of the Committee on Committees that the Committee on Nomenclature, Terminology & Symbols be continued; and that the Committee on Senior Chemists be continued, contingent on approval by the Board of Directors.

International Chemical Sciences Chapter

- On the recommendation of the Committee on International Activities, the Council approved the establishment of ACS Pakistan International Chemical Sciences Chapter, subject to confirmation by the Board of Directors.

Resolutions

- The Council passed several resolutions:
 - in memory of deceased Councilors;
 - in gratitude for the officers and members of the Orlando Section, host for the 257th National Meeting, the divisional program chairs, symposium organizers, and ACS staff for the planning and execution of the meeting.

2. Highlights from Committee Reports

Councilor Divisor

As required by the Society's Bylaws, the Council Policy Committee has set the divisors for allocation of Councilor seats among Local Sections and Divisions for 2020 to 2023. Official notification of the Councilor divisors and the number of Councilors permitted for each Local Section and Division will be sent to the respective Local Sections and Divisions prior to May 1st as required in the Bylaws.

Online Preference Forms for Councilors

All Councilors, including new Councilors, were reminded to complete their online committee preference form for 2020 committee assignments. The committee preference form is open through June 7, 2019. The online form may be found at <https://www.yellowbook.acs.org> (log in required).

Nominations and Elections

The Committee on Nominations and Elections solicits Councilors' input regarding qualified individuals for President-Elect and/or Directors for future consideration. Suggestions may be sent to nomelect@acs.org.

Budget and Finance

In 2018, ACS generated a net from operations of \$41.1 million, which was \$13.3 million higher than 2017. Total revenues were \$571.6 million, increasing 6.4% - or \$34.2 million - over 2017. Expenses ended the year at \$530.5 million, which was \$20.8 million or 4.1% higher than the prior year. These results were attributable to strong performance from the Society's Information Service units (CAS and ACS Publications) and a continued emphasis on expense management across the ACS.

Additional information can be found at www.acs.org. At the bottom of the page, click 'About ACS', then 'ACS Financial Information.' There you will find several years of the Society's audited financial statements and IRS 990 filings.

Membership

The ACS ended 2018 with 151,012 members, a net membership growth of one-tenth-of-one-percent. This is the first membership growth ACS has recorded in the better part of a decade. Of the 25,000 new members who joined in 2018, about 20% were incentivized by market testing initiatives. Without these new members, ACS would have seen continued declines.

Council voted to extend the provision of the international dues discount test based on World Bank country income levels for an additional three years (August 2019 – August 2022).

Orlando Meeting Attendance

As of Tuesday, April 2:

Attendees 7,887

Students	6,019
Exhibitors	869
Expo only	404
Guests	426
Total	15,605

3. HIST Councilors

Mary Virginia Orna is serving her first term as a member of the Divisional Activities Committee (DAC). She is also a newly appointed member of the Technical Programming and Collaboration Subcommittee. She was able to report to the HIST Executive Committee that new criteria are being developed for evaluating IPG applications and also some new initiatives regarding poster presentations and electronic posters.

Roger Egolf is serving in the second year of his first term as a member of the Meetings and Expositions Committee (M&E). He is also a member of the Technical Programs Subcommittee of M&E. The subcommittee is working on arranging National Meetings in the future (starting in a couple years) in a way to ensure that all technical sessions for all divisions will be located in the Convention Center.

Respectfully submitted,
Mary Virginia Orna
Roger Egolf

Citation for Chemical Breakthrough Award Program Update (Including 2018 Award Year)

Jeffrey I. Seeman
Award Committee Secretary

March 22, 2019

Summary

- Thirteen years of awards (2006 –2018) have been completed including six awards for the 2018 award year
- 67 CCB Awards have been presented to date at 81 sites (due to multiple collaborations and locations) in 12 countries (not including the 2019 award year). The countries are: Canada, England, France, Germany, Italy, Latvia, The Netherlands, Poland, Russia, Scotland, Switzerland, and the United States.
- Status for the 2019 award year: The awards committee has completed its task and six awardees have been selected. These awardees will be notified shortly, drafts of the six plaques are being prepared and will be sent to the manufacturer for production once they have been approved by the recipients..
- CCB Awards are plaques given to institution from which the research was published
- We provide assistance with and generally participate in award ceremonies
- Five award ceremonies were held in the last 12 months.
 - Leipzig University (Arrhenius, reaction rate as a function of temperature, 1889) by Guillermo Restrepo
 - Cambridge University (Aston, 1919, invention of the mass spectrometer), Peter Morris.
 - Humboldt-Universität zu Berlin, 1907 (Fischer, structure of proteins), Alexander Kraft.
 - Merck Corporation (Hirschmann, et al., 1969, synthesis of an enzyme), Miriam Gulotta.
 - University of Stuttgart (Hückel, 1931, development of Hückel MO theory), Hans-Joachim Werner.
- Photographs and associated text dealing with the 13-years of award ceremonies are found on the CCB Award's web pages
http://www.scs.illinois.edu/~mainzv/HIST/awards/citations_chem-breakthroughs.php
- The CCB Award program now has many and an increasing number of links on Wikipedia (see below)
- The CCB Award program also has a link and a large description of the program on the ACS National Historic Chemical Landmarks Program (see below).

A tabulation of number of awards per year follows:

Number of Citation for Chemical Breakthrough Award by Year

	Award Year	Number Awarded	Duplicates due to multiple collaborative sites	Duplicates due to researcher associated with other locations
1	2006	10		
2	2007	5	1	2
3	2008	6		1
4	2009	5		1
5	2010	5		
6	2011	5		
7	2012	4		3
8	2013	4		
9	2014	4		
10	2015	5		
11	2016	4		
12	2017	4		
13	2018	6		
14	2019	6		1
	Total sites*	73	1	8

* For instances in which the award publication resulted from a collaboration at two or more institutions, the “Total” represents each of these as a single award. For instances in which a duplicate plaque was provided to the researcher’s current institution, the “Total” does not include this duplication.

The members of the 2018 Award Committee are listed below (next page) and also on the HIST website (with the Award Committee members from the earlier award years).

- The program has received excellent responses in the USA and Europe. To date, no awards have been presented to Asia, the Middle East or South America.
- Nominations are open to all and are advertised on HIST’s website and in an announcement in *C&EN*.
- The plaque-design process is much more difficult than anticipated. It is often hard to obtain the required high quality scans of original publications from the 19th Century. There have been design issues with the recipient organizations.
- We have received extraordinary cooperation from the plaque manufacturer, Stellar Kent (<http://www.stellarkent.com/index.php>). In fact, in 2014, HIST Certificate of

Appreciation Awards were given to Carol Hall, Linda Mason, and the Stellar Kent Corporation for their work on the CCB award program.

- As of past years, the Linda Hall Library of Science, Engineering and Technology (Kansas City, MO) has donated several high quality images of journal articles, if available, at no charge for the award program

Award Committee Members 2018

Anthony G. M. Barrett, F.R.S. (Imperial College of Science, Technology and Medicine)
Michael Bowers (University of California, Santa Barbara)
Carmen Giunta (Le Moyne College)
Harry Gray (Caltech)
Dudley Herschbach (Harvard)
Peter Morris (Science Museum London)
Amos Smith (Penn)
Jeffrey I. Seeman, Committee Secretary (Non-voting) (University of Richmond)

Finances and Donations

- The plaques cost ca. \$350 each including shipping to the USA. Shipping to Europe is another \$75 - \$100.
- Initial funding
 - \$10K from ACS DAC Innovative Grant
 - \$10K from ACS Corporate Associates
 - \$6K from ACS DAC Innovative Grant for Local Section travel
 - Funds from individual donors (donations continues to this day)
- HIST currently provides 50% matching to an annual donation (individual donor, \$1200/year; HIST, \$600/year).
- Annual costs ca. \$1700 - \$2200/year.
- Annual income ca. \$1800/year.
- As of March 19, 2019, \$246.56 is available for the plaque program (excluding travel, see bullet statement immediately below). This does not include the 2019 income.
- Based on the latest update available for HIST Treasurer Vera Mainz, there is \$4103.16 available for travel support for local section and related representation (ACS Innovative Grant Program).

- The program will seek additional funding from HIST and from the donors because the plaque manufacturer has raised their prices. We will see \$750 from HIST and \$1500 from outside donors.

Website

The HIST website contains high quality images of all the plaques and much supplementary information, including photographs of many awards ceremonies, ceremony agenda, and related materials.

http://www.scs.illinois.edu/~mainzv/HIST/awards/citations_chem-breakthroughs.php

The CCB award program's website is exceptional and expanding, thanks to the continuing excellent work of Vera Mainz. The website is organized by award year. Originally, there was only a table of all award winners for each year (from 2006 when the first awards were presented). From that page, one could and can see the award plaques for each winner as well as the supplementary material associated with that award. In 2014, several new pages were added that provide the visitor with rapid access to the awardees, organized by name OR location OR date of the awardee's publication.

We are fortunate that most of the recipients have provided photographs and other information about their presentation ceremonies, etc. for use on our website.

CCB Award on Wikipedia

In early August 2016, Ron Brashier introduced us to Mary Mark Ockerbloom, Wikipedian in Residence at the Chemical Heritage Foundation. She has volunteered, as part of her outreach role at CHF, to place information about the CCB awards on Wikipedia. For many of these awards, text and links are found in multiple locations due to multiple authors who already have Wikipedia sites. We plan on completing links and text for all CCB awards by 2020.

CCB Award on the ACS Historic National Historic Chemical Landmarks Program Website

On the “About the ACS Historic National Historic Chemical Landmarks Program” web page, <https://www.acs.org/content/acs/en/education/whatischemistry/landmarks/about.html> the following text and link appears:

Citation for Chemical Breakthrough Awards

Since 2006, the Citation for Chemical Breakthrough Award program, administered by the ACS Division of the History of Chemistry, has honored scientific publications, books and patents that have been revolutionary in concept, broad in scope, and which forever changed the face of chemistry.

In 2017, four awards were made:

- To California Institute of Technology, for the Pauling, Corey and Branson 1951 publication on “The Structure of Proteins”
- To the Francis Crick Institute for the James and Martin 1954 publication on “Gas-Liquid Chromatography”
- To Harvard University for the Maxam and Gilbert 1977 publication on “A New Method for Sequencing DNA”
- To Novartis International for the Saiki, Scharf, Faloona, Mullis, Horn, Erlich and Arnheim publication on “Enzymatic Amplification of Beta-Globin Genomic Sequences” (Polymerase Chain Reaction/PCR)”

More information is available on the HIST Citation Awards webpage.

An update for 2019 has been sent to the Landmarks program’s ACS staff.

The 2018 awards are listed in the graph below, taken from the CCB Award web site that is housed on the HIST website that is designed and maintained by Vera Mainz.

The graphic is taken from the HIST website:

http://www.scs.illinois.edu/~mainzv/HIST/awards/citations_chem-breakthroughs.php

Scientists/Inventors	Breakthrough Publication (If text is in color, this is a live link to the plaque.)	Location of Award (If text is in color, this is a live link to photographs and other materials related to the presentation.)
S. Arrhenius	"Über die Reaktionsgeschwindigkeit bei der Inversion von Rohrzucker durch Säuren," <i>Zeitschrift für physikalische Chemie</i> 1889 , 4, 226-248.	Wilhelm-Ostwald-Institute for Physical and Theoretical Chemistry, Leipzig University
F. W. Aston	"A Positive Ray Spectrograph," <i>The London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science</i> 1919 , 38, 704-714.	The Cavendish Laboratory, Cambridge University
E. Fischer	"Proteine und Polypeptide," <i>Zeitschrift für Angewandte Chemie</i> 1907 , 20, 913-917.	Humboldt Universität zu Berlin
R. Hirschmann, H. Barkemeyer, J. B. Conn, J. E. Deak, R. G. Denkwalter, R. S. Dewey, M. J. Dickinson, V. Garsky, F. W. Holly, T. A. Jacob, S. R. Jenkins, H. Joshua, T. Lanza, Jr., J. D. Milkowski, R. F. Nutt, W. J. Paleveda, Jr., E. F. Schoenewaldt, J. Sondey, R. G. Strachan, S. L. Varga, D. F. Veber, R. A. Vitali, E. Walton	"Studies on the Total Synthesis of an Enzyme," Parts I, II, III, IV, and V. <i>Journal of the American Chemical Society</i> 1969 , 91, 502, 503; 505, 506, and 507.	Merck Sharp and Dohme Research Laboratories, Division of Merck & Co., Inc.
E. Hückel	"Quantentheoretische Beiträge zum Benzolproblem. I. Die Elektronenkonfiguration des benzols and verwandter verbindungen," <i>Zeitschrift für Physik</i> 1931 , 70, 204-286.	University of Stuttgart
T. J. Kealy and P. L. Pauson	"A New Type of Organo-Iron Compound," <i>Nature (London)</i> 1951 , 168, 1039-1040.	Duquesne University, Pittsburgh, PA

The 2018 award plaques are shown at the very end of this report. All plaques are also found on the HIST website under HIST Awards, Citation for Chemical Breakthrough Award.

The blue link in the second column leads the web visitor to that award's plaque.

The six 2018 award plaques are shown on the next pages.



Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough



Zeitschrift für physikalische Chemie, 1889, 4, 226-248.

Über die Reaktionsgeschwindigkeit bei der Inversion von Rohrzucker durch Säuren.

Von
Svante Arrhenius.

1. Einfluss der Temperatur auf die Reaktionsgeschwindigkeit.

Die Geschwindigkeiten der bisher in dieser Beziehung untersuchten Reaktionen werden sehr stark durch steigende Temperatur befördert. Diejenigen, welche bei gewöhnlicher Temperatur untersucht sind, sind einer Relation unterworfen von der Form:

$$Q_{t_1} = Q_{t_0} \cdot e^{A \cdot (T_1 - T_0) : T_0 \cdot T_1} \quad (1)$$

wo Q_{t_1} und Q_{t_0} die Reaktionsgeschwindigkeiten bei zwei Temperaturen t_1 und t_0 , A eine Konstante, und T_0 resp. T_1 die absoluten Temperaturen sind. Ich will zuerst an Beispielen zeigen, wie genau sich diese Formel der Wirklichkeit anpasst, um nachher eine Auslegung der wahrscheinlichen physikalischen Bedeutung der Formel zu geben.

Presented to the Wilhelm-Ostwald-Institute for Physical and Theoretical Chemistry,
University of Leipzig, 2018



Division of the History of Chemistry
American Chemical Society

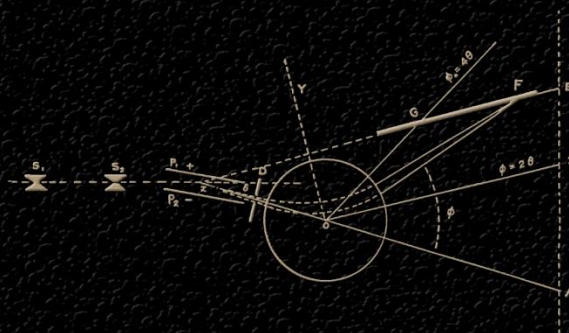
Citation for Chemical Breakthrough



Invention of Mass Spectrometry

*The London, Edinburgh, and Dublin
Philosophical Magazine and Journal of Science,
1919, 38, 707-714.*

LXXXIV. *A Positive Ray Spectrograph.* By F. W. ASTON,
M.A., D.Sc., Clerk Maxwell Student of the University of
Cambridge.



Actual photographic results obtained with a preliminary apparatus are submitted showing the great accuracy possible by the method with which it is hoped to compare masses to one tenth per cent.

Cavendish Laboratory,
August 1919.

Presented to the Cavendish Laboratory, University of Cambridge, 2018.



Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough



Zeitschrift für Angewandte Chemie, 1907, 20, 913-917.

Proteine und Polypeptide.

Von EMIL FISCHER.

Vortrag, gehalten in der Festsitzung des Vereins deutscher
Chemiker in Danzig am 23. 5. 1907.

(Eingeg. d. 14./5. 1907.)

Hochansehnliche Versammlung! Die freundliche Aufnahme, die der Verein deutscher Chemiker bei seinen jährlichen Hauptversammlungen allenthalben findet, und von der wir gerade eine neue köstliche Probe in dieser gastfreien alten Stadt erfahren, ist ein erfreuliches Zeichen der Popularität, welche sich die Chemie nicht ohne Mühe im Laufe des vorigen Jahrhunderts erworben hat.

Ich habe mich deshalb seit fünf Jahren bemüht, geeignete Methoden für diesen Zweck aufzufinden, und es ist mir in der Tat gelungen, durch Verkuppelung der verschiedenen Aminosäuren Produkte zu gewinnen, die zuerst den Peptonen und bei fortgesetzter Synthese den Proteinen sehr ähnlich sind.

Für diese künstlichen Substanzen, die sich von den natürlichen dadurch vorteilhaft unterscheiden, daß sie als chemisch einheitliche Individuen gekennzeichnet sind, habe ich den Sammelnamen „Polypeptide“ gewählt. Nach der Zahl der Aminosäuren werden sie in Di-, Tri-, Tetrapeptide usw. eingeteilt.

Presented to the Humboldt Universität zu Berlin, 2018.



Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough



Journal of the American Chemical Society, 1969, 91, 502, 503, 505, 506, and 507.
Ralph Hirschmann and co-workers

Studies on the Total Synthesis of an Enzyme. I. Objective and Strategy

Sir:

The remarkable advances in polypeptide synthesis during the past 15 years have made the synthesis of an enzyme a feasible objective. From a number of considerations the synthesis of RNase S' appeared to be an attractive goal.

Studies on the Total Synthesis of an Enzyme. II. Synthesis of a Protected Tetratetracontapeptide Corresponding to the 21-64 Sequence of Ribonuclease A

Studies on the Total Synthesis of an Enzyme. III. Synthesis of a Protected Hexacontapeptide Correspond- ing to the 65-124 Sequence of Ribonuclease A

Studies on the Total Synthesis of an Enzyme. IV. Some Factors Affecting the Conversion of Protected S-Protein to Ribonuclease S'

Studies on the Total Synthesis of an Enzyme. V. The Preparation of Enzymatically Active Material

It may be concluded therefore that, under conditions where a 100- μ g aliquot of natural acetamidomethylated S-protein gave 8-10 μ g of RNase-S activity, an aliquot of about 60 μ g of our synthetic protected protein gave 1.2-2 μ g of RNase-S activity.

Presented to Merck & Co., Inc., 2018.



Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough



Zeitschrift für Physik, 1931, 70, 204-286.

Quantentheoretische Beiträge zum Benzolproblem.

I. Die Elektronenkonfiguration des Benzols und verwandter Verbindungen¹⁾.

Von **Erich Hückel** in Stuttgart.

Mit 10 Abbildungen. (Eingegangen am 28. April 1931.)

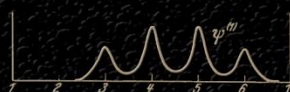


Fig. 10 a. 1, 2-Dihydrobenzol.

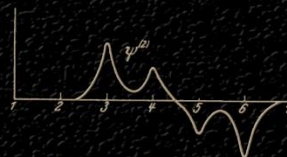


Fig. 10 b. 1, 2-Dihydrobenzol.

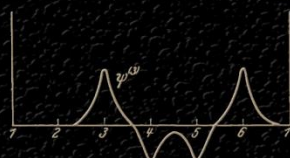


Fig. 10 c. 1, 2-Dihydrobenzol.

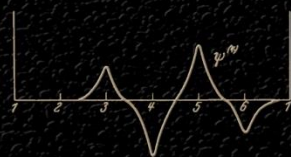


Fig. 10 d. 1, 2-Dihydrobenzol.

Presented to the University of Stuttgart, 2018.



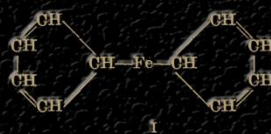
Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough

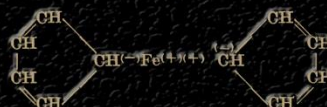


Nature (London) 1951, 168, 1039-1040.

A New Type of Organo-Iron Compound



I



II

The remarkable stability of this substance is, of course, in sharp contrast to the failures of earlier workers to prepare similar compounds and must be attributed to the tendency of the *cyclopentadienyl* group to become 'aromatic' by acquisition of a negative charge, resulting in important contributions from the resonance form (II) and intermediate forms.

Our studies of this reaction and of other approaches to fulvalene are continuing.

T. J. KEALY
P. L. PAUSON

Duquesne University,
Pittsburgh 19, Pa.
Aug. 7.

Presented to Duquesne University, 2018.

AT LEAST 8 DIVISIONS HAVE A DIVISIONAL FELLOWS (OR EQUIVALENT) PROGRAM

AGRO Fellow Awards

The AGRO Fellow Award recognizes members for dedicated and enthusiastic service (2-3/year).

Criteria for nominees shall be: "Continued and substantial contributions of time, talents, and service to the AGRO Division of ACS and to the agrochemical science over a period of at least six years."

Nominations include a letter, noting the contributions to the Division, and a current curriculum vitae.

CELL: ACS Cellulose and Renewable Materials Division Fellow Award

The ACS Cellulose and Renewable Materials (CELL) Division Fellow Award was established in 1983 to recognize the dedication, leadership, and enthusiastic service of Division members that has kept the CELL Division moving forward. The award is given annually and is sponsored by the Cellulose and Renewable Materials Division of the American Chemical Society (1-2/year).

The award consists of an individual plaque honoring the recipient's contributions to the Division.

Eligibility for Nomination

Eligibility for this award is open to any current or past Cellulose and Renewable Materials Division Member who has made significant contributions to the activities of the Division. This includes, but is not limited to:

service as an officer in the Division

active participation in the development of program activities for the Division's meetings

Selection Process

In October, following the fall ACS meeting, the Awards Chair will solicit nominations for the Division Fellow Award(s) from current members of the Executive Committee and from any past officers.

Completed nomination forms must be submitted to the Awards Chair by December 1.

The Awards Chair selects 3 to 5 judges who make up the Division Fellow Award Committee.

The judges rank the nominees.

The judges will also indicate the number of awards that should be given with a maximum of three awards being possible in a single year.

The Awards Chair announces the name(s) of Division Fellows at the Spring ACS meeting with the Award(s) to be given at the following Fall ACS meeting.

CHAS Fellows Award

Fellows Awards recognize CHAS members in good standing who have provided continuous service. Nominees who meet the criteria will receive a certificate and a rosette. Fellows Awards Criteria:

Function: To recognize CHAS members in good standing who have provided continuous service.

Categories:

There are two categories:

Length of membership

Service

Award: The award consists of a certificate.

Criteria: There are two categories for the award. Submitted materials for each should include evidence of: Membership in CHAS for fifteen years, or, For CHAS members with less than fifteen years of continuous membership and more than seven years of continuous membership and who have been active in CHAS activities for at least three years.

ENFL Distinguished Service Award

The Distinguished Service award is limited to individuals who have been members of the division for at least ten years and who have had, in the opinion of the selection committee, a significant and continued impact on the advancement of energy and fuels chemistry through research, teaching, service or a combination of the three over an extended period of time.

MEDI Hall of Fame

The Division of Medicinal Chemistry Hall of Fame was established by the Executive Committee in 2006. New members are selected annually from nominations submitted by Division members. Other inductees are those who have received one of the awards presented by the Division (the Edward E. Smissman Award or the Division of Medicinal Chemistry award), or who have received an ACS GlaxoSmithKline Alfred Burger Award or E. B. Hershberg Award, and presented their address to the Division. Members who have received multiple awards are listed below under the year of their first award. The Division is proud to acknowledge the many contributions made by these outstanding scientists to the field of medicinal chemistry.

ORGN Technical Achievement Awards (TAOC)

Charge of the Program

The purpose of the Technical Achievements in Organic Chemistry (TAOC) award program is to recognize outstanding contributions to the field of organic chemistry from accomplished, professional chemists

holding a Bachelor's or Master's degree or the equivalent, who are pursuing careers in industrial or government sectors.

Selection of Awardees

Awardees are selected by the TAOC Awards Committee from a pool of candidates usually nominated by their respective employers, and are approved by the Executive Committee of the Division of Organic Chemistry. Nominations are accepted through the online TAOC Nomination Form and must include the following materials: (a) a letter containing the address of the nominator and information written on company letterhead of nomination that presents evidence that illustrates the accomplishments, creativity and independence of the nominee (b) the nominee's CV (including work address and email) that includes a description of their educational background and experience, and publication and patent record and (c) any other information that documents the special achievements and/or contributions made by the nominee. Seconding letters and copies of selected publications will be considered, but are not necessary.

Events Associated with TAOC Awards

There are two events associated with the TAOC Awards. There is a luncheon for the awardees, typically on Wednesday of the ACS Fall National Meeting. The Awards are typically presented at this luncheon. There is a symposium (half or full day depending on the number of awardees), typically on Wednesday of the ACS Fall National Meeting.

POLY Fellows

The POLY Fellows Program was established in 2009 to recognize excellence in all ways that POLY members advance our field of polymer science, either through scientific accomplishments, service to the profession, or both. The awards are administered and sponsored by the POLY division of the ACS.

Award: Award plaque and special recognition during Fall ACS Meeting. The award shall be granted to an individual without regard to race, color, national origin, sex, religion, age, disability, or sexual orientation.

Eligibility: A nominee must be a member of the POLY division of ACS. Consideration will be given for contributions of scientific accomplishments or service to the profession, or both. The number of new POLY Fellows selected each year will equal no more than 0.1% of the current POLY membership. Selection will be based on

Achievements: typically demonstrated by the impact of successful accomplishments

Contributions: typically demonstrated by enabling or causing a successful accomplishment

Polymer science: impact on basic and applied research, technology development, and engineering

Profession: impact on education, public policy, technical management, and leadership in professional organizations

Nomination: Nominators must be a member of the POLY division.

PMSE Fellows

PMSE Fellowship was established to honor a small percentage of PMSE members who have made significant contributions to the science and engineering of polymeric materials. The PMSE Fellow Program was started in 2000 to honor PMSE Members for scientific and technological contributions to polymer material science and engineering.

Nature: Selected PMSE Fellows are honored with a plaque at the PMSE Division Awards Ceremony and Reception at the Spring National ACS Meeting. PMSE Fellows are authorized by the division to use the letters FPMSE (Fellow of the Polymeric Materials: Science and Engineering Division) as a post-nominal title in connection with their professional activities.

Selection Criteria

Primary: Recognition for specific scientific or technological contributions to polymer materials science and engineering or applied polymer science, or overall advancement of the field of polymeric materials science and engineering or applied polymer science.

Secondary: Substantial service to PMSE may also be used for the selection of worthy candidates.

Nominations: A PMSE Member in good standing for at least five (5) years. An individual may be nominated by PMSE member(s).