HIST Executive Committee Meeting, Sunday, March 20, 2022
Hybrid/Zoom and In-person – Spring National Meeting (San Diego, CA)
March 20-24, 2022

The meeting started at 5:05 pm PDT

Attending in person: Vera Mainz, Seth Rasmussen, Mary Virginia Orna, Nick Tsarevsky, Carmen Giunta, Gary Patterson, Dan Rabinovich, Kristine Konkol,
Attending remotely: Art Greenberg, John Sharkey, Roger Egolf

AGENDA

1) **Welcome and announcements**, Seth Rasmussen
   Seth welcomed everyone to our first in-person meeting since 2019.
2) **Secretary-Treasurer's Report**, Vera Mainz
   a. Minutes of the September 5, 2021, Executive Committee meeting was approved via email vote on March 4, 2022.
   b. Election 2022. We need to have candidates for all offices: Chair-Elect, Sec/Treas, two councilors, two alternate councilors. Vera suggested appointing an election chair to secure candidates, but this was not taken up. Vera noted that she was willing to stand again for Sec/Treas, as did our current councilors and alternate councilors. Possibilities for Chair-Elect were discussed and the final nominees will be announced at the fall meeting. Vera noted that we have been using surveymonkey as our voting software. Vera has been looking at other options and suggest we try https://electionrunner.com/ This software is well-reviewed and would cost less than $100 vs. the $372/year that surveymonkey charges. We also would only have to pay when we had elections.
   c. The HIST funds in the Vanguard Funds are all allocated to the HIST Award Endowment Fund. The return on investment was 10% in 2021, bringing us $5945.84. See the summary below. The income does not include the HIST symposium support, so if the totals are within $500, income and expenses essentially balanced. The pandemic did not allow the 2020 Award symposium for Larry Principe to be held in 2020. The event was held as a hybrid event at the Science History Institute (SHI) on October 16, 2021. Gary Patterson organized the event and we thank him for his efforts. The 2021 HIST Award winner, Mary Virginia Orna, chose to have her award symposium at the Spring 2022 National Meeting in San Diego. The 2022 HIST Award winner, Marco Beretta, will have his award symposium at the Fall 2022 National Meeting in Chicago.

HIST Award Summary

	Dividends	
2011-2012	$ 1,543.76	4%
2013	$ 3,813.53	8%
2014	$ 3,749.04	6%
2015	$ 3,871.57	6%

2016	$ 2,837.86	5%
2017	$ 3,784.41	6%
2018	$ 5,480.42	9%
2019	$ 3,166.23	5%
2020	$ 4,607.10	8%
2021	$ 5,945.84	10%

	Income	Expenses	Difference
2013	$ 6,675.33	$ (6,882.90)	$ (207.57)
2014	$ 6,119.04	$ (4,440.65)	$1,678.39
2015	$ 6,454.58	$ (4,789.32)	$1,665.26
2016	$ 7,742.53	$ (7,286.86)	$ 455.67
2017	$ 10,982.11	$ (10,348.39)	$ 633.72
2018	$ 5,053.24	$ (5,594.70)	$ (541.46)
2019	$ 5,771.23	$ (5,960.91)	$ (189.68)
2020	$ 6,107.10	$ (7,016.08)	$ (908.98)
2021	$ 7,445.84	$ (408.00)	$7,037.84
2022			
TOTALS	$ 62,351.00	$(52,727.81)	$9,623.19
	Available	$ 11,166.95	

d) In a general way HIST is doing well. There is $127,614.96, without the allocation, in unobligated funds. A summary table of obligated vs. unobligated funds shows an increase of approximately $46,000 in the obligated funds in 2021 and an increase of approximately $28,000 in unobligated funds in 2020. In 2020 Jeff Seeman gave a donation to support the CCB Award plus we had an increase of about $5,000 in the allocation. In 2021, HIST received the extra allocation, plus two IPG awards, totaling $32,500.

	Total Obligated Funds	Total Unobligated Funds
2017	$ 39,417.43	$ 104,257.60
2018	$ 34,157.59	$ 104,724.64
2019	$ 31,753.91	$ 103,880.47
2020	$ 35,911.19	$ 131,292.97
2021	$ 81,775.19	$ 127,863.00
2022	$ 80,381.97	$ 127,614.96

e) The 2021 Annual Administration and Financial Reports were submitted to ACS ahead of the deadline and are posted on the HIST website.

f) The 2021 taxes have been filed and copied to the ACS Tax Office.

g) The 2023 dues were discussed and ultimately we decided to keep them the same as for 2022. Dues have not changed since at least 2005.

h) Treasurer's Report. The Quicken summary of income/expense for 2022 to date is attached.

TOTAL OBLIGATED FUNDS as of 2/28/2022		
Citations - Seeman 10 year support 2021-2030		$ 12,000.00
Citations Travel		$ 4,103.16
Citations		$ 2,280.76
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)		$ 11,166.95
See and Be Seen		$ 1,500.00
Past Pres		$ 2,715.14
HIST Award Symp F2021	$1500 + $1000	$ 2,500.00
HIST Award Symp F2022	$1500 + $1000	$ 2,500.00
HIST - Statistical Mech Chain Molecules		$ 500.00
Bader Symp	$500 + 500	$ 1,000.00
IPG Henry Hill Preservation		$ 25,000.00
IPG History Training		$ 7,500.00
		$ 80,381.97
Vanguard Fund - HIST Match		$ 30,150.50
Vanguard Fund - Lambert 2012 + 2013 + 2014		$ 30,000.00
	TOTAL Endowment	**$ 60,150.50**

BANK BALANCE as of 2/28/2022	
Checking account	$ 110,379.34
Total checks not cleared 2/28/2022	$ (3,737.93)
Deposits not cleared 2/28/2022	$ 338.93
AVAILABLE - Checking	**$ 106,980.34**
AVAILABLE - Savings	**$ 101,016.59**
TOTAL AVAILABLE	**$ 207,996.93**

TOTAL UNOBLIGATED FUNDS as of 2/28/2022

$ 127,614.96

3) **Report from Program Chair**, Nicolay Tsarevsky (symposia scheduled attached)
   a. Seth Rasmussen gave a final report on Pacifichem 2021. There was some attendees outside of the speakers. The sessions were 100% virtual. We had one no-show, very few technical issues, but very few opportunities for discussion. The staff from ACS had no idea what they were doing in terms of programming. The technical staff for the sessions were quite good. Seth noted a disturbing trend in taking control away from us for our own sessions. Concerning the one no-

show, a question came up as to how this should be reported. Since the sessions were virtual, so the presenter did not need to present live as he could have uploaded a talk but didn't do so. The issue is whether the no-show could be removed from the program. ACS had no interest in removing people from the program if they didn't present, despite ACS mentioning removal of abstract.

b. Nick reported that he is struggling to get anything from ACS. He requested information about the program and abstracts for three weeks and received no response. Mihaela cut and pasted the information from the on-line session in order to put together the HIST program and abstracts for the Newsletter. Seth had the same experience with the Pacifichem people. We have been told that no one is working in at headquarters in Washington, DC.
c. The app for the national meetings is pretty clunky. We wondered why ACS can't make a pdf file of the program so you could access the program more easily.
d. Nick reported that programming wise, we need to do some more work at Chicago as we only have two symposia scheduled. Technically we have four listed, but the glass symposium has been withdrawn and the Centennial symposium has been moved to next spring. For this Fall we have several general sessions and the HIST Award symposium. Next Spring, in Indy, Seth will be presenting his Workshop (in symposium format) on traditionally historical methods, Jan has requested a half day of for a Past Presidents symposium for Helen Free. Nick is moving the forensic chemistry symposium to San Francisco.
Nick noted that some of the paucity of symposia is due to the last few meetings (mostly virtual) and covid but there is a lack of enthusiasm for organizing symposia. We should send out a targeted call to the membership and ask for organizers for symposium. In the near future, one possibility is to list possible new symposia, giving Nick's contact information. We could possibly use Carmen's list of upcoming anniversaries of people and discoveries. Roger wants to organize, hopefully a Fall New Orleans 2024, symposium for 150th anniversary of the Priestley House meeting that led to the organization of ACS. Spring 2024 is the 150th anniversary of tetrahedral carbon, so a symposium on the Birth of the Third Dimension in Chemistry might be a good symposium topic. Art Greenberg volunteered to organize it. Another topic is the 250th anniversary of Priestley's discovery of oxygen in 2024, which could be part of Roger's suggested symposium on Priestley House. Mary Virginia noted that is the context of capitalizing on anniversaries, someone approached Mary Virginia about upcoming the Women's Chemists Committee's 100th anniversary. Other possible topics discussed were: Disabled Chemists, Chichibabin, chemical nomenclature; Science Olympiads; in 1974, at the Biennial Chemical Conference awarded the 2nd centennial of chemistry award to Derek Barton.

4) **Report from Councilors**, Mary Virginia Orna and Roger Egolf (attached)
Mary Virginia Orna – This council meeting, as the recent ones have also been, is taking place virtually, so business does not take place as there is very little discussion. Mary Virginia works with her committee and subcommittee as part of her councilor duties. When she goes to council virtually ,she has found the interface to be clumsy, and sometimes when she asks to speak she is ignored. The Senior Chemists Committee

(SCC) and the Young Chemists Committee (YCC) Business Management division networking activity had 140 attendees. They have developed Great Connections, which is a turn-key activity to go into the schools, part of the DEIR (Diversity, Equity, Inclusion, and Respect) initiative to get younger students (aimed at 4-5th grade) interested in science. The activity is virtual at the moment. ACS sends the supplies to the school. ACS website is advertising it (see https://www.acs.org/content/acs/en/education/outreach/activities/slow-the-glow.html) and has received excellent feedback from 6 pilot runs in several schools in Washington DC area.

Roger Egolf– Roger serves on the M&E committee. They had their meeting on Saturday. They were told that the meetings over the last two years have all run in the negative money-wise. Staff were hopeful that with most of this meeting in person it will provide a more normal income. M&E has a consultant who helps put the meeting on. The virtual meetings have not worked very well. Very few industries want to continue with this option. No one really like hybrid meetings and most people want in-person. M&E have seen a huge change in meeting attendance since the beginning of covid, as well as a huge change in the age of those attending. Older members have left in droves, so now the average attendee age seems to be about 40-50, with the primary attendee being 30-40 years old. ACS does not believe it is likely that the older attendees will come back – which may have implications for HIST given our member demographic. The consultant talked about how meetings are run, that it is more expensive to run a hybrid meeting – up to 5 times that of an in-person presentation. Staff have been pushing to reduce the number of papers, increasing the number of posters, and pushing to shorten meetings to 2-1/2 days. There is a lot of pressure on meeting registration costs. The ability to go back to the old normal is hard. In-person meeting attendance in the past has been 60/40 men/women. Now that ratio for in-person attendance is 75/25. Mary Virginia noted at this point that there has been a loss of childcare, especially related to changes during the pandemic. Women do not want to bring their children to meetings.). Vera asked Roger to send the slides of the consultant's report. It was noted that there are more women in chemistry and more women professionals (almost 50/50). A lot of companies are limiting the option to attend meetings to their senior people. Carmen asked if M&E was an appropriate forum to address programming issues. Roger said M&E or DAC, but technology issues and responsiveness is an M&E issue. Roger noted that the ACS staff attending the M&E meeting were mostly new people, leading to people in jobs that they aren't used to doing, and likely being understaffed.

5) **Report from Chair-Elect**, Art Greenberg; no report.
6) **Report from Past Chair**, Dan Rabinovich;
   Dan reported one observation, regarding attendance at SERMACS (regional meeting). HIST has a stronger presence at the regional meetings, related to HIST support of programming at regional meetings. Janan Hayes noted that combined Rocky Mtn/Western region meeting is coming up and Mary Virginia and Dan are planning a HIST program at SERMACS 2022 in October in Puerto Rico. There will be three sessions, and they hope one will be all students. Kristine noted that a student has a much higher chance of giving an oral talk at a regional meeting vs. at a national meeting.
7) **Report from the HIST Awards Subcommittee**

a. 2022 HIST Award winner is Marco Beretta. His symposium will be in Chicago this fall. The Jury committee for 2023 (last year of service in parentheses) will be chaired by Seth Rasmussen (2024); members are Mary Virginia Orna (2023), Steve Weininger (2023), and Mary Jo Nye (2023). One more member needs to be appointed, possibly Marco Beretta. A possible commitment of funds to help perpetuate the award and a naming opportunity was discussed. Joe Lambert, who donated the initial $30,000 to perpetuate the award, has donated an additional $30,000 via donation of Disney stock. Vera suggested that the name of the award acknowledge his contributions and be changed to the Joseph B. Lambert HIST Award. After discussion, a motion was made to do this, seconded, and unanimously approved. The name change will go into effect with the 2023 award, and will be retroactive for previous HIST awards. That is, on the website, there will be a note regarding the name change but all current HIST awards will be covered by the new name.

b. 2018 and 2019 Outstanding Paper Awards - Dan Rabinovich. Jury committee for the 2020, 2021, and 2022 awards needs to be appointed.

c. CCB Report – Vera Mainz; Report attached
Art was shocked to find Kekulé missing from the list. The discussion noted that this was a good opportunity to take a look at the winners to date and see who is missing. In Carmen's experience, nominating someone like Kekulé would be an obvious choice by the jury. David noted that a nomination for Zavoisky for EPR would need to be in English or European language, if guidelines to date are followed. That might be an issue for a Zavoisky nomination.

d. Update on HIST Fellows – Seth Rasmussen
The bulk of everyone in first class replied they were touched to be selected. Nick should order pin and Vera should work on the certificate. Awards will be given out at fall HIST award banquet in Chicago. Vera suggested HIST cover banquet cost for any HIST Fellows attending. We need to post an SOP and call for nominations for next year. There was a discussion as to whether we need a separate committee – Vera and Seth both believe the Executive Committee can discuss any nominations and decide on them as a group.

8) **Report from Archivist**, John Sharkey; Finding Aid Outline attached.
Links to the finding aid and finding aid outline.

9) **Report from *Bulletin* Editor**, Carmen Giunta; Report attached.
The report for the *Bulletin* is attached. Carmen noted an Action item, which should be tabled until Carmen can put together the necessary numbers, concerning possibly budgeting for three issues for 2023, because of the many papers from Mary Virginia's HIST Award symposium. Carmen noted we could do this discussion via email. Art asked about extra copies and suggested sending them to ACS Board members. Carmen thought that was doable.

10) **Report from Historian**, Gary Patterson; Report attached.
Gary noted that he needs talks for the Centennial symposium in Spring 2023.

11) **Report from the Alternate Councilors,** Christopher Heth, David Lewis, Nicolay Tsarevsky
    a. MPPG Meeting Themes Update

12) **OLD BUSINESS:**

a. **Update on IPGs awarded and associated activities**, Seth Rasmussen
Seth noted that HIST has received significant funding from ACS. Seth's workshop was funded for $7500 from a separate call for IPGs. It will be run in Indy under a symposium format. Seth is collecting speakers and topics to cover one aspect of traditional historical research. Normally chemists don't get training in this. Those of us who do research in the history of chemistry can continue to give these talks as a continuing workshop, with HIST members giving the talks. Alan Rocke and Brigitte Pieke are planning for an hour talk each. Other possible speakers are David Lewis, Michael Gordin (Princeton), Nathan Brooks (New Mexico State), Ron Brashear (formerly of the Science History Institute), and Bill Brock. Mary Virginia suggested that he put together a request for matching funds, maybe from MPPG or PRES, as the Indy meeting theme is Crossroads of Chemistry. Seth requested the normal support for symposium, $500 per half-day session and his request was approved.
It was suggested that we increase the symposium support for Mary Virginia's HIST Award funding to $1500 as the number of speakers she has would generally run for 3 sessions. This request was granted. MVO HIST matches the $7500 IPG in the interest of HIST. Could we generate educational materials (videos, Bulletin articles);
The $25K Henry Hill Legacy Preservation project concerns material that Henry Hill's son has prepared on his father. The intent is to turn this material into a video or podcast. Jennifer Maclachlan submitted an IPG to DAC, but they decided it didn't fit into the guidelines for an IPG, but believed the project should be supported. They gave the $25K to HIST for this project, with Jennifer still the lead. She is raising more money for project.

13) **NEW BUSINESS: A**
a. **ACS Fellow nomination from HIST?** Seth noted that the deadline for submission is Apr 1. Seth asked if there were anyone that we want to spearhead a nomination and the consensus was yes, and a nomination for David Lewis should be submitted. We should be picking out someone to nominate for next year. The nomination requires a primary nominators and two secondary nominators. The biggest impact is the material that you input on-line. Carmen volunteered as a secondary and Mary Virginia suggested that each letter focus on papers outside of history.
b. FYI – Seth received a request for a nominal sponsorship from HIST for Chemistry in the Service of Archaeology (Ruth Ann Armitage) at CERM 2022. Seth noted that Ruth Ann is not asking for money. HIST would be listed in newsletter and on-line. Essentially it means Ruth Ann would state it was supported in some fashion by HIST. The request was approved.
c. Mary Virginia Orna led the discussion on how HIST could relate to or be part of the National Historic Chemical Landmark for Dr. Marie Daly in April-May, 2023, and also, perhaps, be a nominal co-sponsor of a Daly-related symposium being planned for Chicago.. Marie Daly was the first African American woman to receive a PhD in chemistry while attending Columbia University. Mary Virginia will be the chair of New York local section next year. She suggested that HIST

could have some type of recognition in this Landmark, which would give the division some visibility. HIST could perhaps support some of the things that are moving along in the planning stages in the local section. If HIST offered some financial support, it would appear in the literature for the landmark. Mary Virginia mentioned $5000 as a sum that would be a substantial support level, and noted the Landmarks fits the requirements for DEIR. Vera mentioned the 5 minute video done professionally by the Univ. of Illinois on the St. Elmo Brady Landmakr and that it cost $5000. Vera noted she isn't opposed to providing some funding but HIST needs a proposal before they can proceed. Mary Virginia asked if HIST would consider supporting a professionally produced video on Marie Daly. Vera suggested we get a proposal before further discussion. The question was tabled and will be taken up as old business at the Chicago meeting.

The meeting ended 6:55pm.

Appendices

Appendix 1: Quicken Summary, Income/Expenses to date

Appendix 2: Future Symposia Schedule

Appendix 3: Councilor's Report, Spring 2022

Appendix 4: Citation for Chemical Breakthrough Report

Appendix 5: Archives – Finding Aid Outline

Appendix 6: Bulletin Report

Appendix 7: Historian's Report

2022 Itemized Categories Report - Year To Date

1/1/2022 through 3/4/2022

Date	Acc...	Num	Description	Memo	Amount
INCOME					**7,290.73**
Bulletin - Lib					**920.00**
1/11/2022	Bus...	DE...	Otto Harrassowitz GMBH - Ck#916906	2022 Notre Dame	40.00
				2022 Stanford	40.00
				2022 Oklahoma	40.00
1/19/2022	Bus...	DE...	EBSCO - Ck#3316324	Northwestern 2022	40.00
				Illinois 2022	40.00
				Univ Regina 2022	40.00
				UT Austin 2022	40.00
				U Minn 2022	40.00
				Oberlin 2022	40.00
				Indiana 2022	40.00
				Princeton 2022	40.00
				Smith College 2022	40.00
				Bowdoin College 2022	40.00
				UNew Hampshire	40.00
				NTNU Univer 2022	50.00
				Wellcome 2022	50.00
				Open Univ via Ebsco 2022	40.00
				Science Museum 2022	50.00
				Staatsbibliothek via EBSCO 2022	40.00
				UB der TU Berlin via EBSO 2022	40.00
				ZentralBibliothek Zuerich 2022	50.00
2/25/2022	Bus...	DEP	EBSCO -	Univ Cal Berkeley 2022	40.00
Bulletin-Bkls					**20.00**
2/1/2022	Bus...	DE...	Jennifer Elliott	copyright.com order	20.00
Counc Trav Reim					**1,118.26**
ACS					**1,118.26**
1/12/2022	Bus...	DEP	ACS/EFT Remittance	ACS Atlanta MVO	1,118.26
Dividend					**4,695.84**
HIST Award					**4,695.84**
1/11/2022	Bus...	DEP	Vanguard Wellesley Income Fund Investor Shares	2021 disbursement	1,564.47
1/11/2022	Bus...	DEP	Vanguard Wellington Fund Investor Shares	2021 disbursement	3,131.37
Dues Income					**180.00**
Direct from Members					**180.00**
1/19/2022	Bus...	DEP	Dean J Tantillo	2022	20.00
2/1/2022	Bus...	DE...	Peter E. Morris	2021 and 2022	70.00

2022 Itemized Categories Report - Year To Date

1/1/2022 through 3/4/2022

Date	Acc...	Num	Description	Memo	Amount
2/1/2022	Bus...	DE...	Cari Joiner		20.00
2/25/2022	Bus...	DE...	Jeff Seeman	Tanaka	35.00
				Fujimoto	35.00
Grants & Awards					**355.00**
Citation ChemBreakthroughs					**355.00**
3/3/2022	Bus...	DE...	Fukui Institute	Fukui Institute extra plaque reimb	355.00
Int Inc					**1.63**
1/31/2022	Bus...	DEP	Interest		0.86
2/28/2022	Bus...	DEP	Interest		0.77
EXPENSES					**-8,133.99**
Award					**-399.00**
Pacifichem 2021					**-399.00**
1/10/2022	Bus...	1468	David E. Lewis	registration	-399.00
Award-Non-Meeting					**-2,482.17**
Citation ChemBreakthroughs					**-2,482.17**
2/14/2022	Bus...	147...	Stellar Kent	Fukui 8747 - 2 plaques, 1 to be reimb...	-797.75
				Gibbs 8748	-378.73
				Noyori 8749	-1,305.69
Bank Chrg					**-17.26**
PayPal Transaction Fee					**-17.26**
2/1/2022	Bus...	DE...	Cari Joiner		-1.19
3/3/2022	Bus...	DE...	Fukui Institute		-16.07
Bulletin					**-4,730.51**
Postage					**-1,740.51**
2/2/2022	Bus...	1470	Carmen Giunta	Bulletin postage 45(1)	-1,740.51
Other Bulletin					**-2,990.00**
1/27/2022	Bus...	1469	Agnes Soderbeck	No. 47(1)	-2,990.00
Office					**-505.05**
PayPal Chrg					**-5.05**
2/1/2022	Bus...	DE...	Jennifer Elliott		-1.07
2/1/2022	Bus...	DE...	Peter E. Morris		-3.98
Tax Prep					**-500.00**
3/3/2022	Bus...	1472	Daniel E. Holder And Associates	2021 Tax Prep Form 990-EZ	-500.00
TRANSFERS					**0.00**
Busey Checking					**0.00**
2/2/2022	Bus...		SAVINGS	keep account active	-1,000.00

2022 Itemized Categories Report - Year To Date

1/1/2022 through 3/4/2022

Date	Acc...	Num	Description	Memo	Amount
2/9/2022	Bus...	SAVINGS		keep account active	1,000.00
Busey Savings					**0.00**
2/2/2022	Bus...	DEP SAVINGS		keep account active	1,000.00
2/9/2022	Bus...	TXFR SAVINGS		keep account active	-1,000.00
				OVERALL TOTAL	**-843.26**

RECENT PAST AND FUTURE HIST SYMPOSIA

Meeting dates	Location	HIST symposia (- General Papers at every meeting)	Notes
August 19-23, 2018	Boston	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]	Nanotechnology
March 31 – April 4, 2019	Orlando	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	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	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 – CANCELLED
August 23-27, 2020	San Francisco	1. HIST Award (Tuesday) 2. The Science and Legacy of Glenn Seaborg (1/2 day) [Jan Hayes, Roger Egolf] 3. Springer Briefs in the History of Chemistry: 10th Anniversary [Seth Rasmussen] 4. Historical Thoughts on 'From Bench to Market' [Gary Patterson, David Lewis]	Chemistry from Bench to Market
March 21-25, 2021	San Antonio	1. History of Polymer Science (1 day) [Nick Tsarevsky, Seth Rasmussen, Gary Patterson]	Macromolecular Chemistry: The Second Century

		2. Springer Briefs in the History of Chemistry: 10th Anniversary (1/2 day) [Seth Rasmussen] ~~3. HIST Award (1/2 1 day) [Gary Patterson]~~	
August 22-26, 2021	Atlanta	1. Contributions of African American Chemists (1/2 day) [Sibrina Collins]	Resilience of Chemistry
March 20-24, 2022	San Diego	1. HIST Award (1 day) [Jeff Seeman]	Bonding through Chemistry
August 21-25, 2022	Chicago	1. HIST Award (Tuesday)	Sustainability in a Changing World
March 26-30, 2023	Indianapolis	1. HIST Anniversary [Gary Patterson] 2. Past Presidents: Helen Free [Jan Hayes] 3. Workshop in History Research Methods [Seth Rasmussen]	Crossroads of Chemistry
August 13-17, 2023	San Francisco	1. HIST Award (Tuesday) 2. History of Forensic Chemistry (1/2 day) [Nick Tsarevsky]	Harnessing the Power of Data
March 17-21, 2024	New Orleans	1. The Birth of the 3rd Dimension in Chemistry [Art Greenberg and David Lewis] 2. Chemical Societies [Nick Tsarevsky, Mihaela Stefan]	Many Flavors of Chemistry
August 18-21, 2024	Denver	1. 150th Anniversary of the Priestley House [Roger Egolf]	Elevating Chemistry?
March 23-27, 2025	San Diego		Transformative Chemistry?
August 17-21, 2025	Washington, DC		
2027		Centennial of WCC [?]	
Future		1. The History of Chemical Nomenclature [Seth Rasmussen] 2. History of Glass [Seth Rasmussen] 3. Disabled Chemists (1/2 day?) [David Lewis] 4. Pyridine, a Privileged Structure: Chichibabin, Hantzsch, and Their Successors (1/2 day) [David Lewis] 5. History of Chemistry Competitions and Olympiads [Nick Tsarevsky]	

DIVISION OF THE HISTORY OF CHEMISTRY
COUNCILORS' REPORT
American Chemical Society – Virtual Council Meeting
March 23, 2022
San Diego, CA

Actions of the Council

A. Elections

1. President-Elect 2023.

By electronic ballot, the Council elected **Mary Carroll and Rigoberto Hernandez** as Candidates for President-Elect for 2023.

2. Candidates for Districts II and IV.

The Committee on Nominations and Elections announced the results of the election held prior to the virtual Council meeting, to select *candidates* from the list of *nominees* for Directors from District II and District IV, on the Board of Directors for the term 2023-2025. By internet ballot, the Councilors from these districts selected **Kimberly Agnew-Heard** and **Marcy Towns** as **District II candidates**; and **Christopher J. Bannochie** and **Lisa Houston** as **District IV candidates**. Ballots will be distributed to members residing in District II and District IV around October 1, 2022.

3. Candidates for Directors-at-Large.

The Committee on Nominations and Elections announced the selection of the following **candidates for Directors-at-Large** for 2023-2025 terms: **Milagros (Milly) Delgado, Malika Jeffries-El, Will E. Lynch and Ellene Tratras Contis.** The election of two Directors-at-Large from among these four candidates and any selected via petition will be conducted in the fall. Ballots will be distributed to all Councilors around October 1, 2022.

B. Other Council Actions

1. Committee on Committees Actions

▪ The Council approved the *Petition to Amend the Duties of the Committee on Chemists with Disabilities*. • This petition sought to change the language in the duties of CWD from **students** to **persons** to be more inclusive to ACS members of all levels and backgrounds participating in the Society's meetings and events.

▪ The Council approved the continuation of the Committee on Chemists with Disabilities • The Committee on Committee reviews each Society Committee no less often than every five years and advises the Board of Directors and Council whether they should be continued. ConC completed the performance review for the Committee on Chemists with Disabilities and recommended its continuation.

2. Committee on Budget & Finance Petition

▪ The Council approved the *Petition to Amend the Use of Dues*.

• The petition has two major components. The first changes the basis for developing the total pool of allotments available for local sections and technical divisions. The second eliminates the connection between dues revenue and C&EN.
• The total resource pool available for distribution to Local Sections and Divisions will be funded via a quasi-endowment established from the Society's unrestricted investment balances. This replaces the previous pool that was funded through the allocation of 20% of dues revenue to local sections and divisions.

3. Committee on Divisional Activities Action
▪ The Council approved a division name change.
• Effective January 1, 2023, the Division of Carbohydrate Chemistry (CARB) will change its name to the Division of Carbohydrate Chemistry & Chemical Glycobiology (CARB).

4. Committee on International Activities Petition
▪ The Council approved a *Petition to Charter an International Chemical Sciences Chapter*
• This petition, contingent on approval by the ACS Board of Directors, allows for a new International Chemical Sciences Chapter in Switzerland.

5. Committee on Membership Affairs
▪ The Council approved the extension of market testing of the international dues discount program based on World Bank country income levels.
• The test provides reduced dues for international members residing in emerging nations, which host an ACS chapter, and as defined by World Bank income criteria.
• The test results to date have suggested a positive impact on membership through new members and the expanded inclusivity that a wider global community provides.

▪ The Council approved the 2023 Schedule of Membership • The 2022 Schedule went live a few short months ago, and the 2023 Schedule was designed to add more value and increased choice for membership by adding clarity and a more intuitive explanation of how our membership works.
• The 2023 Schedule of Membership did not change any dues, benefits, eligibility, or privileges from the 2022 Schedule.

C. Resolutions
▪ The Council passed several resolutions: - in memory of Past President Nancy B. Jackson;
- in memory of deceased Councilors;
- to officers and members of the San Diego Local Section.

D. Highlights from Committee Reports

1. Budget and Finance In 2021, ACS generated a net from operations of nearly $79 million, which was almost $48 million higher than budgeted. Total revenues were $660 million, which was 5.2% or $32.6 million over budget. Expenses for the year were $581 million, or 2.5% below budget. This overall result was attributed to strong revenue performance from the Society's Information Services units (CAS and ACS Publications), reduced spending due to COVID-19 related impacts, and careful management of expenses across the ACS.
The Society's overall financial position strengthened considerably in 2021 as Unrestricted Net Assets, or reserves, increased by $123 million to $676 million on December 31. The

increase was primarily the result of the $79 million net from operations and growth of the Society's investments totaling $71 million.

2. 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.

3. Committee on Committees All Councilors, including new Councilors, were reminded to complete their online committee preference form for 2023 committee assignments. The preference form will be open to all ACS members and no one will be required to request permission to gain access to the form. The new form will allow users to review each committee by its main topic and focus, along with the skills and expertise needed to serve. The committee preference form will open mid-April at CMTE.acs.org. Users will also be able to submit a skills assessment which will be used when considering which committees may best suit their talent.

E. HIST Councilors

Mary Virginia Orna is serving as an associate member of the Senior Chemists Committee (SCC). She is on the SCC/YCC Networking Subcommittee and also on the Great Connections Working Group.

Roger Egolf is serving as a member of the Meetings and Expositions Committee (M&E) and its Technical Program Subcommittee. That subcommittee is responsible for advising the ACS meetings staff on the format of national meeting technical programming and the allocation of meeting rooms to the various divisions. Since the COVID pandemic began, M&E has been meeting regularly with the Program Chairs and ACS staff to get updates on the status of upcoming meetings and to make suggestions to ACS staff as they plan the future of ACS national meetings.

Respectfully submitted,
Mary Virginia Orna
Roger Egolf

2022 Citation for Chemical Breakthrough Award Program Update (Up To and Including the 2021 Award Year)

Jeffrey I. Seeman
Award Committee Secretary

March 17, 2022

Summary

- Sixteen years of awards (2006 –2021) have been completed, including three awards for the 2021 award year.
- As of January 1, 2022, 79 CCB Awards have been presented to date at 94 sites (due to multiple collaborations and multiple locations for certain awards) in 14 countries. The countries are: Austria, Canada, England, France, Germany, Italy, Japan, Latvia, The Netherlands, Poland, Russia, Scotland, Switzerland, and the United States.
- Status for the 2022 award year: Nominations are due April 18, 2022.
- CCB Awards are plaques presented to the institutions from which the research was published.
- We assist with and generally participate in the award ceremonies.
- Because of COVID restrictions, no award presentations occurred in the past two years.
- Photographs and associated text dealing with the 16-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.
- 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).
- Carmen Giunta has developed an interactive geographical-based application for the CCB awards. This has been added to the CCB award's web-based home page.

https://www.google.com/maps/d/edit?mid=16VUl1_aYFk0s9nWfJDfP3P2xtfigyGzL&usp=sharing

Objectives, Strategies and Criteria of the Citations for the Chemical Breakthrough Award Program

The Citations for Chemical Breakthrough Award program is intended to honor and celebrate the achievements in chemistry and the molecular sciences in a publicly visible fashion. Through the involvement of the recipient institutions in the design of the plaques and in the organization and hosting of award celebrations, the program will "expand people's minds through the enlightening power of the history of chemistry. It will bring history of chemistry to scientists and bring scientists to the history of chemistry."

The Citations for Chemical Breakthrough award recognizes breakthrough publications, books and patents worldwide in the field of chemistry. The term "breakthrough" refers to advances in chemistry that have been revolutionary in concept, broad in scope, and long term in impact. The award consists of a very high-quality plaque, to be placed at a site selected by the recipient near the office or laboratory where the breakthrough was achieved. Each award will be made to the department or institution where the breakthrough occurred, not to the individual scientist(s).

Elaboration of criteria

- "Revolutionary" implies some sort of change in practice or theory after the appearance of the patent or publication.

- "Broad in scope" implies an advance that permeates a sub-discipline of chemistry, or that has applications in more than one sub-discipline, or that has a significant benefit to society.

- "Long-term" implies a minimum of twenty five years since the date of publication.

In 2021, three awards to six sites were made:

- Yale University, for J. Willard Gibbs's 1876 paper explaining the laws of thermodynamics.

- Graduate School of Engineering (with a duplicate plaque sent to the Graduate School of Science), Kyoto University, for Kenichi Fukui's 1952 paper on his discovery of frontier molecular orbital theory.

- Nagoya University, the Institute for Molecular Science at Myodaiji, Okazaki, and Takasago International Corporation, for the Ryoji Norori et al.'s discovery of chirally-catalyzed hydrogenations (1987).

In 2021, Carmen Giunta made two presentations about the CCB award program and the National Historical Chemical Landmarks program:

- May 20, 2021: At the EuChemS Working party on the history of chemistry program on Heritage and History of Chemistry
- Fall 2021: In the HIST general papers session at the ACS national meeting

Number of Citation for Chemical Breakthrough Award by Year*

	Award Year	Number of Awards**	Duplicate plaques due to multiple collaborative sites*	Duplicates due to researcher associated with other locations*
1	2006	10		
2	2007	6	1	2
3	2008	6		2
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	4		
15	2020	4	1	2
16	2021	3	2	1
	Total	79 in 14 countries	4	11

* Thanks to Carmen Giunta for his review of these data.

** For instances in which the award publication resulted from a collaboration at two or more institutions, the "Number of Awards" represents one award for the collaborative publication.

The members of the 2021 and 2022 Award Committees are listed below (next page). This information is also placed 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 institutions in 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
2021 – 2022

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, retired)
Harry Gray (Caltech)
Catherine M. Jackson (University of Oxford, England)
Peter Morris (Science Museum London, retired)
Mary Virginia Orna (College of New Rochelle, retired)
Amos Smith (Penn)
Jeffrey I. Seeman, Committee Secretary (Non-voting) (University of Richmond)

Finances and Donations

- The plaques cost ca. $400 each including artistic design costs and shipping to the USA. Shipping to Europe or Asia 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 continue to this day)

- HIST currently provides 50% matching. In 2020, a donation in the amount of $16,500 was given to HIST. With this donation and with HIST's 50% matching of this gift, HIST has guaranteed funding for the CCB award program up to and including its 25th year.
- Annual costs ca. $1700 - $2200/year.
- As of March 4, 2021, $15,780.76 is available for the plaque program excluding HIST's 50% annual match and excluding travel (see bullet statement immediately below).
- Based on the latest update available for HIST Treasurer Vera Mainz, there is $4103.16 available for travel support for local section and related representations (ACS Innovative Grant Program).

Website

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

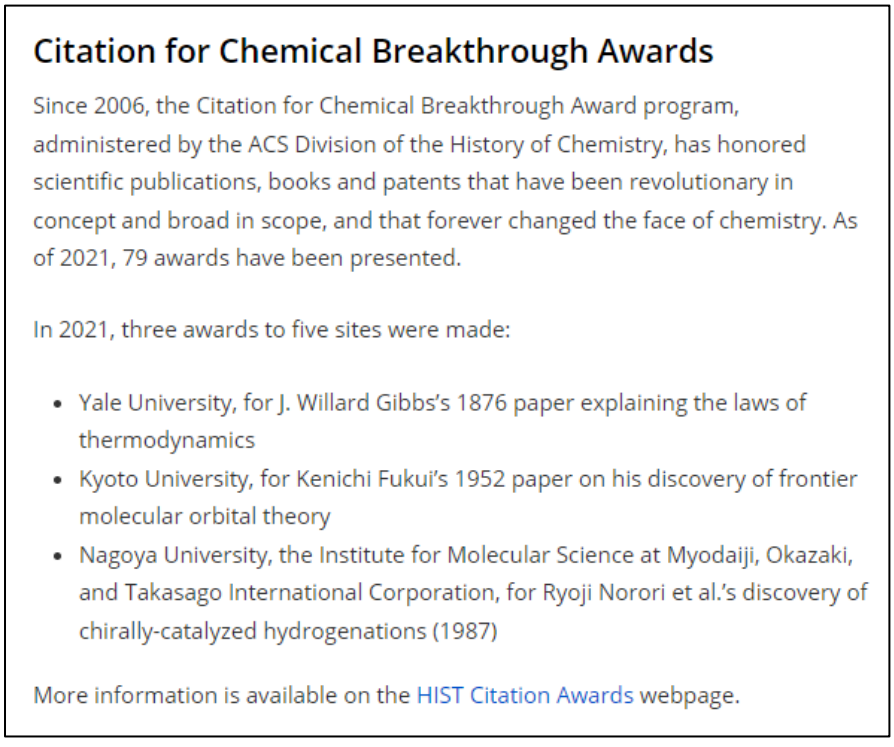
http://www.scs.illinois.edu/~mainzv/HIST/awards/citations_chem-breakthroughs.php

The CCB award program's website is exceptional and expanding, thanks to the continuing excellent participation and ingenuity 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 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 appear (screen shot):



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 and broad in scope, and that forever changed the face of chemistry. As of 2021, 79 awards have been presented.

In 2021, three awards to five sites were made:

- Yale University, for J. Willard Gibbs's 1876 paper explaining the laws of thermodynamics
- Kyoto University, for Kenichi Fukui's 1952 paper on his discovery of frontier molecular orbital theory
- Nagoya University, the Institute for Molecular Science at Myodaiji, Okazaki, and Takasago International Corporation, for Ryoji Norori et al.'s discovery of chirally-catalyzed hydrogenations (1987)

More information is available on the HIST Citation Awards webpage.

I apologize for the small size of the following graphics. Please go to the CCB award website to see these in larger font.

On the CCB Award's website, the following appears for the National Historical Chemical Landmark awards:

The National Historical Chemical Landmarks (NHCL) program, administered by the American Chemical Society, honors "seminal achievements . . . to chemistry and society in the U.S."

In 2017, two Landmarks were awarded:

- **Infrared Spectrometer and the Exploration of Mars**
- **Chlorofluorocarbons and Ozone Depletion**

In 2018, one Landmark was awarded:

- **Plutonium-238 Production for Space Exploration**

In 2019, three Landmarks were awarded:

- **St. Elmo Brady, the First African-American Ph.D. in Chemistry**
- **Innovation in Steroid Medicines at Upjohn**
- **The Combination of Gas Chromatography and Mass Spectrometry at Dow Chemical**

No Landmarks were awarded in 2020.

In 2021, two Landmarks were awarded:

- **Saul Hertz and the Medical Uses of Radioiodine**
- **Birth of the Petrochemical Industry**

The first NHCL was awarded in 1993 for Bakelite: The World's First Synthetic Plastic.

From: http://acshist.scs.illinois.edu/awards/citations_chem-breakthroughs.php

On the CCB Award's website, the following appears for the 2021 CCB awards:

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.)
J. Willard Gibbs	"On the Equilibrium of Heterogeneous Substances," *Transactions of the Connecticut Academy of Arts and Sciences* **1876**, *3*, 108 - 248; **1878**, *3*, 343 - 524.	Yale University
Kenichi Fukui, Teijiro Yonezawa, and Haruo Shingu	"A Molecular Orbital Theory of Reactivity in Aromatic Hydrocarbons," *The Journal of Chemical Physics* **1952**, *20*, 722 - 725.	Kyoto University
R. Noyori, T. Ohkuma, M. Kitamura, H. Takaya, N. Sayo, H. Kumobayashi, and S. Akutagawa	"Asymmetric Hydrogenation of β-Keto Carboxylic Esters. A Practical, Purely Chemical Access to β-Hydroxy Esters in High Enantiomeric Purity," *J. Am. Chem. Soc.* **1987**, *109(10)*, 5856 - 5858.	Nagoya University Institute for Molecular Science, Myodaiji, Okazaki, Japan Takasago International Corporation

From: http://acshist.scs.illinois.edu/awards/CCB-2012_Awardees.php

The 2021 award plaques are shown at the very end of this report. Photographs of all plaques are also found on the HIST website under HIST Awards, Citation for Chemical Breakthrough Award. The blue link in the second column of each year's award listing leads the web visitor to that award's plaque.

For the 2021 awards: http://acshist.scs.illinois.edu/awards/CCB-2021_Awardees.php

The three 2021 award plaques are shown on the next pages.

Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough

Explaining the Laws of Thermodynamics

Transactions of the Connecticut Academy of Arts and Sciences
1876, *3, 108-248;* **1978**, *3, 343-524.*

V. On the Equilibrium of Heterogeneous Substances.
By J. Willard Gibbs.

"Die Energie der Welt ist constant.
Die Entropie der Welt strebt einem Maximum zu."
Clausius.*

The comprehension of the laws which govern any material system is greatly facilitated by considering the energy and entropy of the system in the various states of which it is capable. As the difference of the values of the energy for any two states represents the combined amount of work and heat received or yielded by the system when it is brought from one state to the other, and the difference of entropy is the limit of all the possible values of the integral $\int \frac{dQ}{t}$, (dQ denoting the element of the heat received from external sources, and t the temperature of the part of the system receiving it,) the varying values of the energy and entropy characterize in all that is essential the effects producible by the system in passing from one state to another. For by mechanical and thermodynamic contrivances, supposed theoretically perfect, any supply of work and heat may be transformed into any other which does not differ from it either in the amount of work and heat taken together or in the value of the integral $\int \frac{dQ}{t}$. But it is not only in respect to the external relations of a system that its energy and entropy are of predominant importance. As in the case of simply mechanical systems, (such as are discussed in theoretical mechanics,) which are capable of only one kind of action upon external systems, viz., the performance of mechanical work, the function which expresses the capability of the system for this kind of action also plays the leading part in the theory of equilibrium, the condition of equilibrium being that the variation of this function shall vanish, so in a thermodynamic system, (such as all material systems actually are,) which is capable of two different kinds of action upon external systems, the two functions which express the twofold capabilities of the system afford an almost equally simple criterion of equilibrium.

*Pogg. Ann. Bd. cxlv (1865), S. 400; or Mechanische Wärmetheorie, Abhand. ix., S. 44.

Presented to Yale University, 2021.

Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough

Journal of Chemical Physics **1952**, *20*, 722-725.

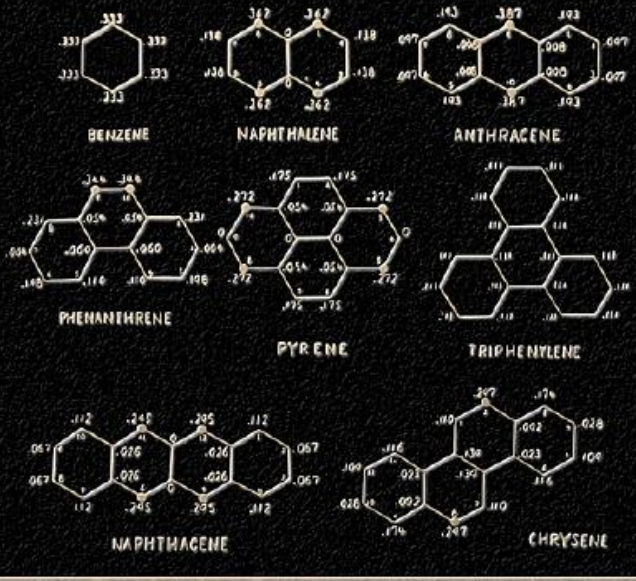
A Molecular Orbital Theory of Reactivity in Aromatic Hydrocarbons

KENICHI FUKUI, TEIJIRO YONEZAWA, AND HARUO SHINGU
Faculty of Engineering, Kyoto University, Kyoto, Japan

(Received October 29, 1951)

In the present paper it is shown that on the ground of the latter method, if we distinguish the pair of π-electrons in the highest occupied orbital in the ground state from the others and assume that this pair of π-electrons plays a decisive role in the reaction in question, we can obtain an illuminating explanation of the difference of reactivity at each position in a molecule.

In the first place we will report on the treatment of nonsubstituted aromatic hydrocarbons. The orienting effect of substituents in aromatic nuclei will be treated in the next publication.



Presented to the Faculty of Engineering, Kyoto University, 2021.

Division of the History of Chemistry
American Chemical Society

Citation for Chemical Breakthrough

Journal of the American Chemical Society **1987**, *109*, 5856-5858.

Asymmetric Hydrogenation of β-Keto Carboxylic Esters. A Practical, Purely Chemical Access to β-Hydroxy Esters in High Enantiomeric Purity

R. Noyori,* T. Ohkuma, and M. Kitamura

Department of Chemistry, Nagoya University
Chikusa, Nagoya 464, Japan

H. Takaya

Institute for Molecular Science
Myodaiji, Okazaki 444, Japan

N. Sayo, H. Kumobayashi, and S. Akutagawa*

R & D Institute, Takasago International Corporation
Kamata, Tokyo 144, Japan

Received June 8, 1987

Optically active β-hydroxy carboxylic esters are an extremely important class of compounds for natural product synthesis. Access to such compounds has so far relied mainly on biological or biochemical transformations.[1] Asymmetric hydrogenation of the keto esters is an alternative complementary methodology, and the purely chemical means should allow even easier control of the chiral outcome at will, giving both antipodes with equal ease.

Presented to Nagoya University, the Institute for Molecular Science, and Takasago International Corporation, 2021.

American Chemical Society
Division of the History of Chemistry

Archives
Chemical Heritage Foundation, Philadelphia PA

Finder's Guide Outline

SERIES I: AWARDS

ACSAwards, Divisions and Local Sections
Awards Protocols
Awards' Committees
Certificate of Appreciation/ Excellence
Citation for Chemical Breakthrough
Chemluminary Awards
Dexter Award
Edelstein Award
HIST Award (replaces Edelstein Award)
Outstanding Paper Award

SERIES II: OUTREACH

Cachet Committee and Cachet Collection
Eminent Chemists Tape Program
Chemical Geneology
Chemistry Cartoons (IGP)
Elements, Discovery of
International Year of Chemistry
Historic Sites
Historically Important Chemists
History of Chemistry, Literature primer
Membership, Directories, Brochures, Diversity, Handbooks, and Rosters
Membership During COVID 19 Pandemic
National Meetings, Program Chair, Symposia, and Workshops
National and Regional Meetings, Papers Presented at HIST Sessions
Newsletters, Programs and Abstracts
Oral Histories
Outreach Committee
Joseph Priestley House
Publicity (HIST Invitation to Join, C&EN, ACS)
Regional Meetings, Workshops

Webpage, Facebook, Domain Registry and Internet References for the History of Chemistry

SERIES III: ADMINISTRATION

American Association of Chemistry Teachers (AACT), joint membership

Archives of the Division of the History of Chemistry, Archivist
Bolton Society (of CHF)
Bylaws of the Division of the History of Chemistry and the ACS
Center for the History of Chemistry (CHOC)
Chemical Heritage Foundation (CHF, formerly CHOC)
Charter, Constitution, Bylaws and Regulations of the ACS
Committees of the ACS
Copyrights and Permissions
Divisional Activities Committee of the ACS
Divisional Report Card
Elections, Councilors and Officers of HIST and other ACS Committees
Executive Committee of HIST (Agenda, Composition, Minutes)
Fellows of the ACS
Forms
Grants (incl. Innovative Grants Proposals)
History of American Chemical Society
History of the Division of the History of Chemistry, Anniversaries, Historian
Leadership Institute, ACS
Strategic Planning, Mission Statement
National Historic Chemical Landmark Program
National Inventors Hall of fame
Obituaries, Biographies, Bibliographies
HIST Endowment (Proposal)
HIST Stationary
HIST Officers/Chairs Files
HIST Secretary /Treasurer Files/Annual Reports (also old financials)
Science History Institute (formerly Chemical Heritage Foundation)
Strategic Planning, Mission Statement, Outreach Ideas
Wotiz Lawsuit (restricted)

SERIES IV: PUBLICATIONS

ACS Books, (including e books) Symposium Series
ACS History Reprints

ACS Procedures Manual for Divisions
Non-ACS Publications
Bulletin for the History of Chemistry

SERIES V: CORRESPONDENCE

Email Correspondence
Other Correspondence **Revised 2/1/21**

Report from the Bulletin editor *Carmen Giunta, 7 March 2022*

Since the Last Meeting (Sept. 5, 2021)

A normal sized issue of the *Bulletin* , 46(2), was published online in late November and in print in December.

The special HIST Centennial issue, co-edited by Jeff Seeman and me, was published online in January and in print in February. The issue would not have happened without Jeff: the idea for the special issue in the first place was his, and we both worked on it quite hard after that. I was very pleased that we had several historians as well as HIST's constituency of chemists participate as authors and referees. As you know, the issue is an extra issue (1 of 3 for 2022) and it is open-access online from the start. We have tried to publicize it and the HIST Centennial. There was an announcement in *C&EN* Feb. 14.

We have also reissued electronic versions of the *Index to the History of Chemistry in the* Journal of Chemical Education*, 1925-1990,* originally prepared by Martin Saltzman and published by HIST in 1995. The reissue is under a special issues/special publications heading in the *Bulletin* part of the HIST website and is also freely available as a searchable pdf and an Excel spreadsheet. Thanks to Vera for setting up and "populating" this location.

[Digression on the Index. A hard copy came to me from Paul Jones along with all of the back issues of the *Bulletin* . It was not labeled as an issue or special publication of the *Bulletin*, but its cover is otherwise just like the *Bulletin* covers of the time. I had long thought of scanning it and posting it, and in the middle of last year I finally got around to it after contacting Marty for permission. Not long after I had scanned it, I thought of making the index the subject of my talk in the HIST award symposium. Working with it for that purpose prompted me to convert it into the searchable forms mentioned.]

In Progress

A normal issue of the *Bulletin* is well in progress, 47(2), for publication later in the spring, and submissions continue to come in.

A special issue is planned around the HIST Award symposium; most of the presenters have agreed to submit papers. If all goes well, it will be out late in 2022 as 47(3) or (more likely) early in 2023 as 48(1). This will be a special issue in theme, but it may or may not be an extra issue. That will depend partly on the flow of other articles and on funding (next item).

Proposal to budget for an extra issue in 2023 (from Carmen Giunta)

It would be prudent to budget for an extra issue in 2023 if we can afford to do so. We certainly want to publish both the material that might not ordinarily come to the *Bulletin* , but we also do not want to delay normal articles. (Budget figures to come.)

Proposal on membership tiers (from Jeff Seeman)

Given that the HIST allocation goes mainly to publish the *Bulletin* , perhaps HIST could have a larger membership by reducing dues (perhaps even to zero), charging a subscription fee for hard copies of the *Bulletin* , and providing electronic access to all members.

For longer-term discussion

Does HIST have any wish to explore a co-publication arrangement with ACS Pubs along the lines of *J. Chem. Educ*.? Does HIST wish to initiate such a discussion? How would HIST react if approached by ACS Pubs?

Spring 2022 Historians Report

The Historian of HIST has been very busy during the last 6 months.

1. The Primary activity has been the HIST History of HIST. Five chapters are now posted on the HIST website, and several more will be there by the time of the ACS meeting in San Diego
2. The HIST Award Symposium for Larry Principe was held at the Science History Institute on October 16, 2021. The presentations were outstanding, and those who attended virtually (more than 100) were treated to the best of the current crop of chemical historians. I would recommend that we try to record future HIST Award symposia. ACS restricts access to official events to paid listeners. Perhaps we can gain access to our work through negotiation. Holding such events at the SHI is far too expensive to consider for the future.
3. The Pacifichem Conference was held and for the small number of people in virtual attendance, it was nice. For, perhaps, the only in-person attendee (me), the reward was Covid(omicron). It came free for all visitors to Honolulu that week.
4. HIST is viewed by the rest of the worldwide community of historians of chemistry as the central actor. I have partnered with many groups in the last 6 months. The first group was the American Association of Textile Chemists and Colorists. I prepared an updated history of the AATCC for them, published an article on the history of textiles in America for their Journal, and presented an extended Remembrance of Herb Pratt, one of the most beloved members of AATCC and the founder of the Bolton Society at the Science History Institute. The second group was the University of Bologna. They were celebrating the Centennial of the successful purification of insulin with a City park. My part was a talk on the History of Chemistry in North America from 1876-1921. In addition, I published an article for them on the history of textiles.
5. I was the featured speaker for Harvey Mudd College on "John Winthrop, Jr., the making of an adept." HMC had a famous historian of science, including chemistry(Olsen).
6. There are a large number of virtual communities that have become an important part of the ongoing efforts of chemical historians. One of the best is sponsored by Hasok Chang from Cambridge (a future HIST Prize

candidate). It is called AD HOC, and most of the leading chemical historians show up as speakers or discussants. I have become a regular. There are many others, and I am often asked to talk or attend.

7. I was pleased to get to know Marco Beretta better and to write his HIST Award biography. This is one of my favorite activities.

HIST Centennial Celebration

Since planning for an actual celebration has not started, and the deadline is before the San Diego meeting, I recommend that we move the celebration to Spring 2023 and start planning now. The Centennial history is proceeding nicely, but it will not be done by March 15. It may not even be done by 12/31/2022. But, enough will be done for a great symposium in Indianapolis.

During the last year, I have also written (and published) articles on textiles, American Chemistry, antimony and many biographies, like John Mercer. I write at least 1000 words per day, on average. Three major books are almost done. Whoever said retirement was a period of slowing down?!

Gary Patterson
Historian of HIST