

Minutes

1. <u>Call to Order</u>

Mr. Morasch called the meeting to order at 8:02am.

2. ASHRAE Commitment to Care

Mr. Morasch read the Commitment to Care aloud to the committee.

The health and safety of all ASHRAE conference attendees is a top priority. Out of respect for our fellow attendees, we commit to wear masks indoors, monitor our health, seek medical attention if symptoms develop and adhere to all <u>ASHRAE Commitment to Care</u> protocols. We are committed to the well-being of one another.

3. <u>Code of Ethics and Values Commitment</u>

Mr. Morasch read the ASHRAE Code of Ethics and Values Commitment aloud to the committee.

In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and we shall avoid all real or perceived conflicts of interests.

(Code of Ethics: <u>https://www.ashrae.org/about/governance/code-of-ethics</u>) (Core Values: <u>https://www.ashrae.org/about/ashrae-s-core-values</u>)

4. Introduction of Subcommittee Members and Visitors

Committee members and guests introduced themselves and it was noted that the 2021-2022 Historical Committee Roster was posted on Basecamp for committee members to reference as needed.

Committee Members Spencer Morasch, Chair Nissun Feiner Robert Thomas Pollard Glenn Remington Atilla Biyikoglu Wei Sun, absent Norman Grusnick Steven Marek Donald Brandt, PEC Chair,

5. <u>Review of Agenda</u>

Mr. Morasch reviewed the agenda with the committee with no new items added for discussion.

6. <u>Historical Subcommittees</u>

6.1 Administrative/Archives Members: Remington - Chair, Grusnick, Biyikoglu, Morasch (ExO)

Committee members discussed at length past efforts and the need to continue future efforts to digitize ASHRAE Historical archives including the development of templates and guidelines.

6.2 Communications/Historians Guidelines Members: Feiner - Chair, Sun, Morasch (ExO)

Mr. Morasch explained that the Historian Guidelines document is current and up to date. Mr. Feiner said he would include the Historical Newsletter in his MBOs for the 2022-2023 Society Year.

6.3 Awards/Leadership Voices Members: Feiner - Chair, Pollard, Morasch (ExO)

Ms. Shelia Hayter and Mr. Barney Buroughs have been chosen for the next two Leadership Voices interviews to be filmed. The committee also discussed the importance of including industry innovators and leaders.

Mr. Morasch reminded committee members that the ASHRAE employee assigned videography has left ASHRAE and there is no plan to fill this position again.

Mr. Feiner commented that he would be soliciting suggestions for future Leadership Voices Interviews from committee members. An Action Items was assigned to staff to locate the Leadership Voices Interview recording of Steve Comstock.

7. <u>Review Actions Items</u>

The committee reviewed on-going action items.

<u>No.</u>	<u>Responsible</u>	Action Item
1	Staff	Posted Approved minutes from Meeting of June 9, 2020.
2	Remington	Completed. Meet with a trained archivist to discuss the development of a "finding aid" for ASHRAE's archive.
3	Nagengast & Remington	Develop parameters and guidelines for content inclusion in ASHRAE's archive.
4	Feiner	Develop an outline for templates and procedures for document storage ASHRAE's archive.
5	Remington & Nagengast	Develop an Historical Newsletter.
6	Feiner	Develop a document reporting on diversity in ASHRAE and the HVACR industry.

8. <u>Review of Committee MBOs</u>

Mr. Morasch reviewed Historical Committee's MBOs shown in Attachment A.

Mr. Feiner stated that on-going MBOs will be carried through to the 2022-2023 Society Year. Committee Members also noted the new year's Presidential Theme will be "Feeding the Roots of ASHRAE".

The committee discussed the Gold Ribbon and Lou Flagg awards. Staff reminded committee members that the Gold Ribbon award form and FAQ sheet are located on the ASHRAE website on the Historical Committee page. The Lou Flagg Award section in the same location on the ASHRAE website includes award criteria, award form with instructions, requirements, two winning paper and a list of all winners. Additionally, there are several Regional histories and timelines.

The committee discussed that although they do not endorse candidates for either Hall of Fame or Pioneers of the Industry, both individuals and/or the committee can nominate someone.

9. <u>Partnerships with other organizations</u>

Mr. Morasch presented committee members a proposal he has developed for a vote of support. (Attachment B) & (Attachment C)

(1) That Historical Committee approve a proposal to Partner with United Engineering Foundation, AiAA, AlChE, ASCE, IEEE, SPE & SWE for the purposes of engaging with the Engineering & Technology History Wiki <u>Background</u>: In order to sustain membership in perpetuity, and to operate outside of ASHRAE's normal budget, it is proposed to set up a dedicated endowment fund in the ASHRAE Foundation. It is anticipated that \$60,000.00 will be needed to accomplish this goal, based on a 5% return on investment by the Foundation. Fundraising will be needed to raise the endowed amount, including soliciting the Life Members Club, who have well supported Historical activities in the past. Additional funds will be solicited from ASHRAE members, including Regions & Chapters.

Fiscal Impact: None at this time.

Approved 5-0-0 CNV

Mr. Morasch thanked the committee for their support and reported to the committee that he would investigate possibly requesting financial support for this project from ASHRAE Life Members and ASHRAE Foundation.

10. <u>Referral from Region VII</u>

Historical Committee reviewed a PEC **Referred Motion from Region VII Fall 2021 CRC, Memphis Chapter Memphis Chapter – Motion 6A (11/4/2021):**

"That Regional Historians be added to the Society Historical Committee as full voting members with all rights, and privileges, and responsibilities pertaining thereto." (Attachment D)

Background: Currently, the Regional Historians are allowed and encouraged to attend the Historical Committee meetings as guests. They, in effect, have a voice but no vote. There is a vast divide between the work and objectives of the Historical Committee and the expectations of the Regional and Chapter Historians, to the point that replies to Regional and Chapter inquiries of the Historical, Committee are delayed or go completely unanswered. Further, this disconnect between the Historical Committee and the grassroots (e.g. Regions and Chapters) is made publicly obvious by the resources on the Society Historical Committee's webpage being so old and out of date. In at least one case, the PowerPoint presentation is so outdated as to have the previous ASHRAE logo from nearly a decade ago still on it. Grassroots representation by, and voting authority of, Regional Historians would keep the Historical Committee much more in tune and in contact with the Grassroots and would likely result in a better historical archive and more participation in the Gold Ribbon and Lou Flagg awards programs. This would in turn incentivize Chapters to appoint active Chapter Historians.

Fiscal Impact: \$15,000.00 per year (15 Historians x 2 Conferences/yr. x \$500 Avg. Airfare)

After much discussion, committee members decided to postpone the motion until after an ad hoc committee could be appointed to investigate the consequences of approving the motion for Historical Committee.

Concerns included Regional Historian term limits and the lack of Regional Historian attendance in the past and the effect that might have on Historical Committee achieving quorum at meeting. After committee discussion, Mr. Morasch appointed the ad hoc to investigate the issues of this referred motions.

Name	Position	Voting
Niss Feiner	Chair	Yes
Dunstan Macauley	Member	Yes
Spencer Morasch	Member	Yes
Gary Cooper	Member	Yes
Wei Sun	Member	Yes

11. Other Business

None.

12. <u>Adjourn</u>

Mr. Morasch adjourned the meeting at 12:14 p.m.

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	0 Submission to PEC Planning NL - July 30. 2021							
	sed with Committee Assignments - Oct 19, 2021							
Auth		Spencer Morasch - Chair, Historical Committee						
Cour		Publishing and Education Council						
	ncii: mittee:	Historical Committee						
		ASHRAE Strategic Plan 2019-2024						
	rence Document ety Year:	2021-2022						
SOCI	ety fear:	2021-2022			Ctanta alla Dian	Strategic Plan		Financial Assist
#	D us d <i>P</i> us			.				
#	Description	Metric	Historical Committee Assigned	Committee Members	Initiative # (can be more	Goal # (can be more	Completion Date	Req'd?
		(how do we determine success?)		Chair in RED colored font.	than 1)	than 1)		
	Example: Explore frequent use of digital live trainings for Grassroots, which will provide quick feedback and help from Grassroots.	Max 3-5 best practices			3&4	1b, 2a,b,c 3a,b	11/30/2020	No
1	Develop proposals to improve the opportunities for Regional Historians to participate in Society Historical Committee activities	Continue on-line participation of Regional Historian's at Society Historical Committee Meeings	Communications / Regional Historian Guidelines Committee	Niss Feiner / Wei Sun / Spencer Morasch (ExO)	3	2c, 3a	6/30/2022	No
2	Develop PAOE Recommended Changes to 2022-2023 Society Year PAOE	To get ahead of the PAOE Committee Cycle with proposal for the following year's (Society Year 2022-2023) PAOE Letter in Summer 2022, Historical PAOE subcommittee needs to work with the PAOE subcommittee of Members Council during the Fall 2021 to Submit recommendations.	Communications / Regional Historian Guidelines Committee	Niss Feiner / Wei Sun / Spencer Morasch (ExO)	4	2a	12/31/2022	No
3	Encourage younger members of ASHRAE to have interest in	Proposing to keep the PAOE line item "For a local Chapter Historical activity performed by an actively	Communications / Regional Historian	Niss Feiner / Wei Sun / Spencer Morasch	4	2a	6/30/2022	No
	history-related activities of the Society	engaged YEA member". Reference 2021-2022 PAOE Newsletter - Tag# YEA8 (under YEA)	Guidelines Committee	(ExO)				
4	Historical Category PAOE Update Summary Report at Annual & Winter Conferences binclude copy similar to 2019-2020 Annual Meeting, Most recent report dated 1/11/2021 was included with Historical Comm. Meeting Minutes of June 3, 2021 (Attachment C).	To encourage Regional Historians to larget the below PAR performing Chapters in their Region based on the previous year's Historical PAOE Summary.	(Communications / Regional Historian Guidelines Committee	Niss Feiner / Wei Sun / Spencer Morasch (ExO)	4	2a	1/31/2022	Yes
5	Encourage Chapter Historians who don't Attend their Regional CRC to complete the Chapter Historians Training Power Point and promote on-line History Workshop participation at CRCs	Update the Chapter Historians Training PowerPoint. Add points for submittal of a completed MBO with phone discussion with Regional Historian prior to August 30 of current fiscal year. Promote on-line workshop participation at CRCs	Communications / Regional Historian Guidelines Committee	Niss Feiner / Wei Sun / Spencer Morasch (ExO)	4	2a	6/30/2022	No
6		1) Continue work on collaboration. HC has links with similar groups in CIBSE and ALCARR - opportunity to pursue to work winking committees in CEN, Intl institute of Ammoria Refrequentin (IIAR), Italistate of Refrequention (IIR), & Global Cold Chain Alliance (GCCA), 2) Continue work to investigate ASHRAE membership in the IEEE History Center. Grow support in the Life Members Club to fundraise & create an endowment fund that would provide ongoing financial support to sustain membership in the IEEE History Center.	Morasch & Feiner	Spencer Morasch & Niss Feiner	4	2b	6/30/2022	No for some groups, but YES for IEEE History Center
7	Leadership Recall - Arrange for videos at Winter Conference - January 2022	Arrange two Presidential interviews. Review other potential interviewees	Awards / Leadership Recall Committee	Niss Feiner / Robert Pollard / Spencer Morasch (ExO)	4	1b, 2c	1/31/2022	Possibly
8	Leadership Recall - Arrange for videos at Annual Conference - June 2022	Arrange two Presidential interviews. Review other potential interviewees	Awards / Leadership Recall Committee	Niss Feiner / Robert Pollard / Spencer Morasch (ExO)	4	1b, 2c	6/30/2022	Possibly
9	Digitize Archived Journals + Transactions	Encourage digitalization of all Society Journals and Transactions	Administrative / Archives Committee	Glen Remington / Norman Grusnick / Atilla Biyikoglu / S. Morasch (ExO)	3	3b	6/30/2022	Yes
10	Historical Awards - Encourage submission of nominations for Chapter Historian Gold Ribbon Awards and the Society Lou Flagg Historical Award.	A min. of one Gold Ribbon Award Nominee in each Region, and at least two nominations submitted for the Lou Flagg Historical Award	Administrative / Archives Committee	Glen Remington / Norman Grusnick / Atilla Biylkoglu / S. Morasch (ExO)	4	2a	12/31/21 for Lou Flagg Award, 6/30/22 for Gold Ribbon Award Nominations.	No
11	Historical Committee Newsletter - Resume publishing a newsletter for the target audience of Regional & Chapter Historians.	4 Newsletters published during the Society year.	Communications / Regional Historian Guidelines Committee	Niss Feiner / Wei Sun / Spencer Morasch (ExO)	4	1b, 2a, 2c	4 Editions: Target publish dates of July, Oct., Jan. & April.	No



Historical Committee

January 30, 2022 Draft document authored by Spencer Morasch - Chair

PROPOSAL

For ASHRAE to join the partnership between the United Engineering Foundation, and the AIAA, AIChE, ASCE, IEEE, SPE & SWE, for the purpose of engaging with the Engineering & Technology History Wiki (ETHW).

The ETHW is administered by the IEEE History Center.

Engineering & Technology History Wiki (ETHW) Home Page: Engineering and Technology History Wiki (ethw.org)

High level overview of the ETHW - website: ETHW:About - Engineering and Technology History Wiki

For ASHRAE to join the partnership, will require \$3000.00 annual "dues" for membership.

In order to sustain membership in perpetuity, and to operate outside of ASHRAE's normal budget, it is proposed to set up a dedicated endowment fund in the ASHRAE Foundation. It is anticipated that \$60,000.00 will be needed in order to accomplish this goal, based on a 5% return on investment by the Foundation.

Fundraising will be needed to raise the endowed amount, including soliciting the Life Members Club, who have well supported Historical activities in the past. Additional funds will be solicited from ASHRAE members, including Regions & Chapters.

ASHRAE Mission & Vision

<u>Mission</u>: To serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields.

Vision: A healthy and sustainable built environment for all.

Joining the partnership will support ASHRAE's Mission & Vision as follows:

- By joining the ETHW, ASHRAE collaborates with other leading engineering societies to document ALL engineering history, and have it housed in a single, readily accessible location. It is a valuable long-term resource / reference that can benefit ASHRAE & it's membership now and into the future.
- 2.) "Those that fail to learn from history are doomed to repeat it." (Winston Churchill).

- 3.) The key to learning from history is of course to first know what the history is, and the ETHW will help provide the source of historical reference info.
- 4.) PERFECT EXAMPLE of the need for better documentation & accessibility of historical info: The current pandemic raised questions very early on in the pandemic regarding ASHRAE's historical documentation of the last major pandemic, which was the Spanish Flu of 1918. A research of ASHRAE's own historical archives produced little info about the Spanish Flu. The current pandemic has had outstanding results from the ASHRAE Epidemic Task Force. We need to make sure that this work is preserved for use & reference for when the NEXT pandemic occurs!

This is just one example of how readily accessible historical info can be applied to ASHRAE's Mission & Vision.

Current members of the partnership:



AIAA = American Institute of Aeronautics and Astronautics

- AIChE = American Institute of Chemical Engineers
- AIME = American Institute of Mining, Metallurgical, and Petroleum Engineers
- AIST = Association for Iron & Steel Technology
- ASCE = American Society of Civil Engineers
- ASME = American Society of Mechanical Engineers
- IEEE = Institute of Electrical & Electronics Engineers
- SPE = Society of Petroleum Engineers
- SWE = Society of Women Engineers
- SME = Society of Mining, Metallurgy & Exploration

United Engineering Foundation



What is the Engineering and Technology History Wiki (ETHW)?

The Engineering and Technology History Wiki (ETHW) is a website powered by <u>MediaWiki</u> with thousands of articles, first hand accounts, oral histories, milestones, archival documents and lesson plans pertaining to the history of technology. The ETHW is one of the world's premier sites for the documentation, analysis, and explanation of the history of technology; the scientists, engineers and business people who made these technologies happen; and on the history of the organizations to which these men and women belonged.

The ETHW is developed by a partnership between the <u>United Engineering Foundation</u>, and the AIAA, AIChE, AIME, ASCE, ASME, IEEE, SPE and SWE. It fosters the creation of narratives that not only document the history of engineering practices but also explain when, how, and why these technologies developed as they did. It uses a wiki-based web platform to foster a collaborative online environment that taps into the collective memories, experiences, and knowledge of engineering's worldwide membership – the men and women who provide the imagination, creativity, and know-how to sustain engineering progress and technological innovation. In time, this site will serve as a central historical repository of all the achievements, ideas, and first-hand knowledge of engineering association members, societies, councils and technical communities. The ETHW will also provide a central location for all materials related to engineering's organizational history.

Although the contributions to this site are restricted to registered users, the ETHW is also dedicated to making the social, economic, political, and technical aspects of the history of technology accessible to all. The general public is invited to explore and learn about the history of the technologies that have shaped and will continue to shape their lives.

What the ETHW Is Not

The ETHW is not a "how-does-technology-work" site. The scope of the ETHW is historical; instead of focusing on the inner workings of technology, it aims to explain how the technology was developed, who were the major players involved, and what long term significance the technologies have. The ETHW is not only an encyclopedia of the history of technology, but it also contains a full range of materials that relate to the legacy of engineering, including personal accounts, documents, and multimedia objects. In that sense, it is a combination reference guide, blog, virtual archive, and on-line community.

Goal

This site is intended to be the premier global record for preserving and interpreting the history of technological innovation and making that history available to the public. The wiki-based ETHW enables the recording of first-hand experiences of people around the world who have developed technologies' products and services into the globally accessible public record. The

ETHW will raise the public visibility of the role and historical contributions of engineers, and related professionals in enhancing the quality of life and the global environment.

Unlike other on-line encyclopedias that may include technological topics, the ETHW will be solely focused on the history of technology. The ETHW's content will also be unique. No other wiki site offers the personal accounts of the technical innovators themselves. In other words, this site serves as a living testament to all the important experiences and contributions made by members and others to technological progress from around the globe. As such, the site will never be complete — it will grow and expand continually. It is the mission of the ETHW to be a forum for the community of engineers and innovators, and those who study their work, a networked repository of their memories, knowledge and achievements, a place to share and explore the history of technological innovation.

The Importance of Shared Experiences

The ETHW enables its members to record their involvement in technological innovation. Through these First-hand Histories, <u>the ETHW invites and encourages members to share their</u> <u>experiences in developing products and services</u> -- from invention, R&D, design, testing, production and commercialization -- with the world. Ideally these recollections will also include the broader range of experiences that led to members' successes as professionals, including their inspirations, educations, and affiliations. Because of the wiki functionality, the ETHW also enables individuals to contribute their experiences as contributors to a collective First-hand History of a group, such as an R&D lab or design team within a university or corporation.



HISTORICAL COMMITTEE

Minutes June 24, 2018 ASHRAE Annual Conference Houston

Introduction of Members and Visitors:	Guests:
Voting Members present	Jounghwan Ahn
Kent Anderson, Chair	David Arnold
Bruce Flaniken, Vice Chair	H.E. Barney Burroughs, Presidential Member
Ahmed Alaa El Din	Michael Geselowitz
Lindsey King	Jeff Haberl
Bern Nagengast	Julia Keen
Eric Sturm	Chul Kim
Stan Westhoff, Region I	Larry Markel
Pam Immekus, Region IV	Kashif Nawaz
Incoming Victing Manhow	Glenn Remington
Incoming Voting Member:	Randy Schecengost
Peggy Fritz	
Branislav Todorovic	Staff present:
Voting Member via Go to Meeting:	Steve Comstock, staff liaison PEC
Oswaldo Bueno	Vanita Gupta, Director of Marketing, ASHRAE
	Krys Gilstrap
Region Historians Present via Go to Meeting:	Joslyn Ratcliff
Tom Pollard, Region II	Emily Sigman, staff liaison
Dusty Stoabs, Region VIII	
Dean Borges, Region X	
BOD Ex-Officio:	
Doug Cochrane, BOD Ex-Officio	
Coordinating Officer	
Edward Tsui	

Call to Order:

Mr. Anderson called the meeting to order at 8:30 am. He invited all those present to introduce themselves and to tell a little bit about themselves

Review of Agenda:

The agenda was reviewed and accepted.

Current Projects 125th Anniversary: Marketing Promotion Plan

Mrs. Gupta presented the overall marketing promotion plan for the museum and brochure projects for the 125th Anniversary. She shared the photo of the special logo for the 125th. Someone suggested that members could send photos and selfies of themselves using the AASHRAE 125 logo from all over the world.

Dr. Keen reported that there were some proposed budget cuts that would affect three of the projects for the 125th anniversary.

Current Projects 125th Anniversary: Oral Histories Presentation

Ms. Gilstrap presented the concept and plan for filming oral history videos. Attachment B

Current Projects: IEEE Presentation

Mr. Anderson introduced Mr. Michael Geselowitz, the senior historian for IEEE.

Mr. Geselowitz made a presentation of the various ways IEEE is preserving history. He shared a number of interesting concepts for making history available to the Society, members, and casual users, including web, awards, oral histories, and work through universities. He stressed the importance of getting the study of history into the curriculum of schools and colleges. He suggested the possibility of collaboration between ASHRAE and IEEE. Attachment C

Mr. Markel raised the question of how to retain young members. General discussion followed.

ExO Presentation:

Mr. Cochrane reviewed the ExO presentation to update what Society has accomplished in the last six months as well as to identify any needs. Attachment D

Current Projects: ASHRAE Milestone/Landmark Proposal:

Mr. Anderson presented his proposal for an ASHRAE Milestone/Landmark program, possibly tied to the ASHRAE 125th Anniversary. Attachment E

Motion 2: Mr. Flaniken moved to approve the project proposal. Mr. Westhoff seconded the motion. Approved 6-0-0

Current Projects: MOP Revision:

Mr. Anderson stated that the Historical Committee Manual of Operations (MOP) needed to be revised to reflect the two voting members that were added to the committee beginning SY 2017-18. Mrs. Immekus along with several committee members had worked through revising the document Attachment F

Motion 3: Mr. Nagengast moved to accept the revisions to the MOP, Mrs. Immekus seconded the motion. Approved 6-0-0

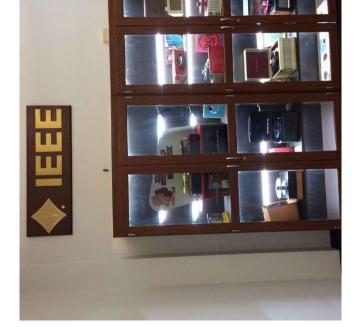
Current Projects: Reference Manual Revisions:

IEEE'S HISTORICAL ACTIVITIES

Dr. Michael Geselowitz, Senior Director

IEEE History Center

June 2018





IEEE History Center Hoboken, New Jersey, USA



IEEE History Center



In 2009, we celebrated our 125th anniversary... largest technological association in the world Now we are 133 years young, and we are the











Since 1963 in current form (AIEE + IRE = IEEE)

When is IEEE?

But, actually, since 1884, IEEE

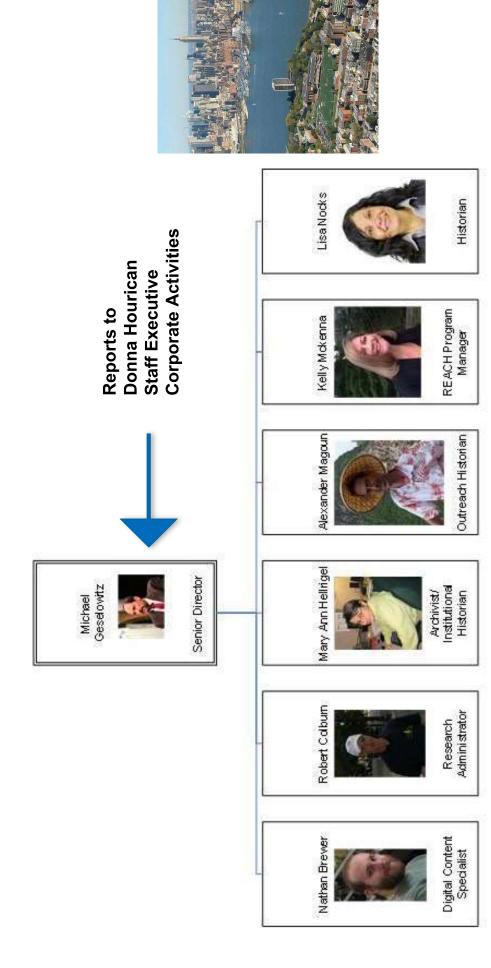


History of History at IEEE

- technical societies has responsibility to preserve history of 1963 – Permanent History Committee in very first bylaws of the merged society—largest & one of the oldest technology (and itself)
- 1980 History Center professional staff added to assist with centennial celebrations
- which became strategic co-sponsor in the history space 1990 – Center moved to campus of Rutgers University, emphasis on research
- 2000s emphasis shifts to outreach
- 2010s more focus on education within outreach
- 2014 Center relocates to Stevens Institute of Technology

	ttee °ectors)	mination of gies, as well industries	Improves technological literacy among citizenry of an increasingly technological society
	the IEEE History Committee to the IEEE Board of Directors)	Mission: research into, and dissemination of of IEEE-related technologies, as wel od their professions and industries	Enhances the image of engineers and elevates the prestige of the profession in general and IEEE in particular
E History Center : Mission			Corrects misconcep-tio ns of engineers and their profession
	Guided by (which reports	To foster preservation of, nformation on the history as IEEE, its members, a	Raises awareness awareness and and of the important role engineers play in society
	N)	To foster pr information as IEEE, it	Produces better, more well-rounded engineers

IEEE History Center Organization Corporate Activities Department





THE IEEE HISTORY CENTER SUPPORT TOTAL EXPENSES = \$1.3M

IEEE Operating Funds (46%) (=about 1/10% of IEEE Operating Budget) Stevens Institute of Technology (strategic educational partner) (in-kind)

Planned giving Endowment (13%) External grant support (3%) Annual fundraising (10%) **IEEE Foundation, through** REACH Fund (28%)

IEEE Foundation







THE IEEE HISTORY CENTER-RESOURCES AND PROGRAMS



Wealth of information about global history of engineering delivered through the Engineering & Technology History Wiki (ethw.org)







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<u>IEEE Archives/</u> Institutional history





Engineering & Technology History Wiki

- IEEE, AIChE, AIME, ASCE, ASME, SPE, SWE consortium of engineering associations – Engineering & Technology History Wiki www.ethw.org – developed by History Center and maintained on behalf of a (and ASEE has just agreed to join!)
- 1.3 million annual sessions (1.8 million page views; increase over 2016, thanks to Google Ad Grant) 1.1 million unique users) in 2017 (about 20%
- Growth in all content areas (pages in 1000s)
- **Innovation map**
- Beginning of 2018 launched enhanced timeline feature (NIC grant)

Oral Histories/First-hand Histories

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Dral-History:Vladimir Zworykin

About Vladimir Zworykin

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About the Interview

800 transcripts on the **Oral Histories: Over** ETHW

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First-Hand:Starting Up Cetus, the First Biotechnology Company -

1973 to 1982



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Endorsed by any OU

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Regions; full gamut of **IEEE** fields of interest 9 approvals in 2017; **14 dedications in 6** and 6 decades of history

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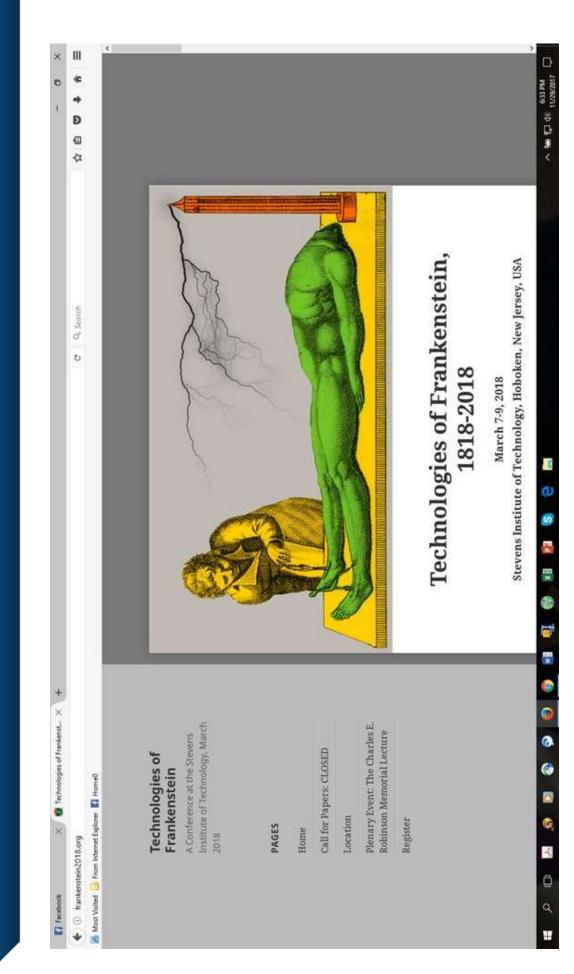
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 Stevens courses, symposia, conferences



University Activities



IEEE REACH: K-12 History of Technology Curriculum

- (National Council for the Social Studies) Material is Inquiry-based C3 compatible
- Beta site (<u>http://reach.ieee.org</u>) launched in December 2016 with two units
- Has six units (three piloted in person)
- users with capacity to impact tens of thousand Big outreach push-has over 300 registered of students; ran teacher PDW
- Won Ayrton Prize for Digital
 Engagement from the British
 Society for the
 History of Science







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IEEE Societies

- Working on "History of IEEE since 1984," funded by Often do anniversary projects funded by Societies
- IEEE Archives/Institutional History









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Joyce Abrams Director Member Services jabrams@ashrae.org

то:	Don Brandt, Publishing and Education Council Chair Mark Owen, Publishing and Education Council Staff Liaison
FROM:	Joyce Abrams
DATE:	December 7, 2021
SUBJECT:	Members Council Referrals to Publishing and Education Council

During the Members Council November 2021 virtual fall meeting, the council referred the motions below to Publishing and Education Council for consideration. Please note the motions below were not vetted by Members Council. I appreciate your keeping me advised of your actions. Let me know if you have any questions. Thank you.

Memphis Chapter – Motion 6A (11/4/2021):

That Regional Historians be added to the Society Historical Committee as full voting members with all rights, and privileges, and responsibilities pertaining thereto.

Background: Currently, the Regional Historians are allowed and encouraged to attend the Historical Committee meetings as guests. They, in effect, have a voice but no vote. There is a vast divide between the work and objectives of the Historical Committee and the expectations of the Regional and Chapter Historians, to the point that replies to Regional and Chapter inquiries of the Historical, Committee are delayed or go completely unanswered. Further, this disconnect between the Historical Committee and the grassroots (e.g. Regions and Chapters) is made publicly obvious by the resources on the Society Historical Committee's webpage being so old and out of date. In at least one case, the PowerPoint presentation is so outdated as to have the previous ASHRAE logo from nearly a decade ago still on it. Grassroots representation by, and voting authority of, Regional Historians would keep the Historical Committee much more in tune and in contact with the Grassroots and would likely result in a better historical archive and more participation in the Gold Ribbon and Lou Flagg awards programs. This would in turn incentivize Chapters to appoint active Chapter Historians.

Fiscal Impact: \$15,000.00 per year (15 Historians x 2 Conferences/yr. x \$500 Avg. Airfare)

Kansas City Chapter – Motion 6B (11/4/2021):

That non-current ASHRAE Handbook editions be made available to dues-paying ASHRAE members (Full or Associate Member grade) in an electronic format, in lieu of the hardbound handbook.

Background: Many ASHRAE Members have kept older versions of ASHRAE Handbooks for reference in hard copy, however new Members do not have access to older versions of the Handbook and many people have been converting to utilize more digital content.

This could be offered as either a member benefit or an additional revenue stream.

Fiscal Impact: \$2,000-3,000.

Hellenic Chapter – Motion 24 (11/4/2021):

ASHRAE to include, as per its policy, SI units in its online and instructor led training courses.

Background: ASHRAE's greatest assets are its technical expertise and training, and thus attracts and sustains members throughout the world. However, most of the training courses are in IP units and practically impossible to use in countries that use SI units. There is also a need to consider international regulations and practices when adapting the material for a global audience.

Fiscal Impact: TBD.