

The Corruption of STEM Education: Harvey Mudd College→Maria Klawe College

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**Doctors for Disaster Preparedness
Tucson, AZ**

August 1, 2021

STEM Played Major Role in Ending World War II and Transforming America With Honest Science

**Typified by Manhattan Project &
Physicist Enrico Fermi 1901-1953**

<https://www.amazon.com/Last-Man-Who-Knew-Everything/dp/0465072925>



Harvey Seeley Mudd 1888-1955

President, Cypress Mines Corporation

Claremont Colleges Trustee 1920-1955

Caltech Trustee 1929-1955

Leader of Civic and Engineering Organizations

Harvey Mudd College founded in his Honor on
December 14, 1955



Eighteen 1955 Founding HMC Trustees

All Born During 1883-1922 and Died During 1958-2012

All but One Lived through World War I, Great Depression, World War II, Korean War, and Cold War as of 1955

All Understood Importance of STEM Excellence in Winning World War II and in Fighting Cold War Against Soviet Union

All Were Conservative White Males who lived in Los Angeles County, except for Conservative Widow/Chair Mildred Mudd

Joseph B. Platt 1915-2012

HMC President 1956-1976

1942 PhD Physics Cornell University

1945-1956 U Rochester Professor of Physics

1956-2012 HMC Professor of Physics

Close to Caltech President & Physicist Lee A. DuBridge

Author of "Harvey Mudd College: The First Twenty Years"

https://scholarship.claremont.edu/hmc_facbooks/2/



Factors Favoring Founding of HMC

- 1) Need for More US Engineers and Scientists to Fight in the Cold War Against the Soviet Union, Especially After October 4, 1957 Launch of Sputnik 1 Satellite
- 2) Need to Provide STEM Education for Qualified Students Who Could Not be Admitted by Caltech
- 3) Need for Improved Methods of Teaching STEM
- 4) Need for an Engineering and Science College within the Claremont Colleges Located 35 Miles East of Los Angeles

1955 HMC Mission Statement

“Harvey Mudd College seeks to educate engineers, scientists, and mathematicians well versed in all of these areas and in the humanities and the social sciences so that they may assume leadership in their fields with a clear understanding of the impact of their work on society.”

HMC Class of 1965 Facts

HMC Class of 1965: 100 entered in 1961, 52 graduated in 1965

Hometown: So CA 33 (63%), Nor CA 6 (12%), Not CA 13 (25%)

High School Type: Public HS 50 (96%), Catholic & Prep 2 (4%)

Race & Sex: WM=48 (92%), WF=2 (4%), NWM=2 (4%)

Majors: Engineering=17 (33%), Physics=13 (25%),

Chemistry=11 (21%), Math=11 (21%)

Graduate School Status of HMC Class of 1965

| | Physics Majors | All Majors |
|--------------------------|----------------|------------|
| Total HMC Graduates | 13 | 52 |
| Attended Graduate School | 11 (85%) | 34 (65%) |
| Received PhD or MD | 10 (77%) | 21 (40%) |
| Received MS, MBA, MFA | 1 (8%) | 13 (25%) |

March 4, 1965 Enstrom Caltech Physics PhD Admission Letter (First HMC Physics PhD 1967)

CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA, CALIFORNIA 91109

The Physics Graduate Committee has been much impressed by your excellent record and your very favorable letters of recommendation. I hope you will decide to come here, and if so, we shall look forward with pleasure to your joining our group next fall. Since we receive more

Sincerely yours,

A handwritten signature in blue ink, appearing to read "C. D. Anderson". The signature is fluid and cursive, written over a white rectangular area.

C. D. Anderson
Chairman

1973 HMC College Ranking

College Rater “Where the Colleges Rank”

III. PRIVATELY SUPPORTED INSTITUTIONS (except women's colleges):

| Rank | Points | Rank | Points |
|---|--------|-----------------------------|--------|
| 1. Harvard | 1023 | 8. Columbia | 901 |
| 2. Yale | 992 | 9. Haverford | 900 |
| 3. California Inst. of Tech. | 975 | 10. Swarthmore | 899 |
| 4. Chicago | 974 | 11. Stanford | 891 |
| 5. Massachusetts Inst. of Tech. | 945 | 12. Johns Hopkins | 888 |
| 6. Princeton | 908 | 13. Harvey Mudd | 881 |
| 7. Dartmouth | 908 | 14. Brown | 879 |

13

UC Berkeley 794

UCLA 785

USC 733

Marie M. Klawe

HMC President 2006-2023

Fifth President & First Woman

1977 PhD Mathematics U Alberta

1988-2002 U British Columbia Prof Computer Science

2003-2006 Princeton U Dean and Prof Computer Science

Canadian Citizen Until 2009

Goal: Changing HMC Mission from Excellence to Diversity in STEM
in order to increase number of women in computer science

<https://www.hmc.edu/about-hmc/president-klawe/cv-maria-klawe/>



HMC Changes Implemented by Klawe

2007 Document “**HMC 2020: Envisioning the Future**”

<https://www.hmc.edu/about-hmc/wp-content/uploads/sites/2/2013/05/HMCStrategicVision2007.pdf>

August 7, 2020 “**Harvey Mudd College Today**”

“Even Harvey Mudd, a Math and Science College, Has Surrendered to the Social Justice Movement” April 20, 2017 Washington Examiner

Since Spring 2017, it seems HMC has more openly embraced the transformation of its mission, culture, and character:

“a gathering ground for individuals passionate about both science *and* social justice”

(<http://www.scientificintegrityinstitute.org/HMCBob080720.pdf>)

HMC Class of 1969 Contributors Regarding New HMC:
Robert De Pietro, Bob Hately, Andy Kaye

2021 US News Ranking of HMC

National Liberal Arts Colleges

<https://www.usnews.com/best-colleges/harvey-mudd-college-1171>

#25 (tie) Best National Liberal Arts Colleges

#57 (tie) Best Undergraduate Teaching

#83 Best Value Schools

<https://www.usnews.com/best-colleges/harvey-mudd-college-1171/reviews>

User Reviews (Ranking 1=worst, 5=best)

5 Posted Reviews Average Ranking = 3.2

(2 Most Recent Reviews Oppose Attending HMC)

7 Reviews (5 posted+2 removed) Average = 2.6

(4 of 7 Reviews Opposed Attending HMC)

HMC Fast Facts 2014-2015

Average Starting Salary: Between \$75,000 & \$80,000

HMC Impact Report 2013-2014

Total Class of 2014 N=181

Total Respondents N=172 (100%)

Graduate/Professional School N=61 (35%)

Gap Year/Other N=13 (8%)

Employment N= 98 (57%)

Full-time Job N=84 (49%)

Full-time Job with Reported Salary N=69 (40%)

Median Salary as per Student Self-Report \$77,500

Are 69 (38% of 181) Self-Reported Salaries Representative?

HMC Class of 2020

Massive Change in Sex, Race, Majors Since 1965

NCES College Navigator <https://nces.ed.gov/>

HMC Class of 2020: 208 graduated

WM~15%, WF~15%, NWM~35%, NWF~35%

Majors: Engineering 68 (33%) Physics 14 (7%)

Chemistry 3 (1%) Math 7 (3%)

Computer Science 47 (23%)

Computer Science & Math 52 (25%)

All others 17 (8%)

HMC Class of 2020

Preferential Admission of Women

NCES College Navigator <https://nces.ed.gov/>

HMC Undergraduate Admissions

| Applicants | Fall 2019 | | Fall 2020 | |
|----------------------------------|-----------|--------|-----------|--------|
| | Male | Female | Male | Female |
| Total | 2815 | 1230 | 2276 | 1121 |
| Percent Admitted | 9% | 24% | 13% | 29% |
| Percent Admitted Who enrolled | 43% | 28% | 39% | 30% |
| Number Enrolled | 109 | 83 | 115 | 98 |

HMC Fast Facts 2019-2020

<https://www.hmc.edu/about-hmc/fast-facts/>

Median Starting Salary for Class of 2020: \$112,500

Graduate/Professional School (23%)

Gap Year/Other (9%)

Employment (68%)

Decline in HMC Physics Graduates at Stanford

<http://www.scientificintegrityinstitute.org/HMCPhysics021219.pdf>

| <u>Years of Graduation</u> (15-year periods) | <u>Total HMC Graduates</u> | <u>HMC Physics Majors at Stanford Grad School</u> | | | |
|---|----------------------------|---|----------------|-----------------------------|----------------|
| | | <u>All Degree Programs</u> | | <u>Received Physics PhD</u> | |
| | | <u>Number</u> | <u>Percent</u> | <u>Number</u> | <u>Percent</u> |
| 1959-1973 | ~800 | 18 | 2.25% | 3 | 0.38% |
| 1974-1988 | ~1,700 | 12 | 0.71% | 5 | 0.29% |
| 1989-2003 | ~2,100 | 12 | 0.57% | 2 | 0.10% |
| 2004-2018 | ~2,500 | 9 | 0.36% | 0 | 0.00% |
| Total 1959-2018 | ~7,100 | 51 | 0.72% | 10 | 0.14% |

2017 HMC Faculty Political Orientation

<http://www.scientificintegrityinstitute.org/JEEHauser080520.pdf>

Classification Based on Voter Registration, Signer of 2017 MLK Statement, 2020 BLM Solidarity Statement, 2020 Shut Down STEM

| Political Status | All Ages | Born \geq 1970 |
|-------------------|-----------|------------------|
| Extremely Liberal | 11 (11%) | 6 (12%) |
| Very Liberal | 58 (60%) | 36 (74%) |
| Liberal | 9 (9%) | 2 (4%) |
| Moderate | 17 (17%) | 5 (10%) |
| Conservative | 3 (3%) | 0 (0%) |
| TOTAL | 98 | 49 |

Current Priorities of HMC Professors

June 3, 2020 HMC Statement of Solidarity

<https://www.hmc.edu/hsa/statement-of-solidarity/> and
<https://docs.google.com/document/u/1/d/e/2PACX-1vR9P0Z4aolVclypiYYGQQz3Zp2prOVAo9dZsGuJi4CQImxDHRmthmjpEpH0jTGzdgmUoNKPowKNC6RL/pub>

“Therefore, we commit ourselves to deepening our understanding of systemic racism, personal racism, and other forms of injustice. . . . We recognize that these injustices . . . permeate our societal institutions . . . and our own scholarly disciplines. We commit ourselves to uprooting anti-Black institutional policies and practices and other forms of injustice . . .

8/13 Math & 9/11 Physics & 56/95 Total Prof Signers

June 10, 2020 HMC Shut Down STEM

<http://www.scientificintegrityinstitute.org/JEELynn102320.pdf>

Particles for Justice “Call to Action: Strike for Black Lives” (<https://www.particlesforjustice.org/>), HMC Asst Prof Brian Shuve was a lead author of June 10 Strike and he was supported by three other young HMC Physics Profs (Nicholas Breznay, Sharon Gerbode, Mark Ilton) and by five other HMC Profs (Lori Bassman, Jim Boerkoel, Erika Dyson, Jae Hur, and Ben Wiedermann).

“CALL TO ACTION: It should go without saying that Black lives matter. Yet we find ourselves again mourning and raging over state and vigilante violence against Black people. Therefore, as physicists, we believe an academic strike is urgently needed . . .”

October 21, 2020 HMC Moody Math Lecture

<https://www.hmc.edu/mathematics/moody-lecture-series/>

“Injustice, Inequity, and Inequality: Lessons at the Intersection of Mathematics, Epidemiology, and Racism.”

Nadia N. Abuelezam, HMC Class of 2009 BS Math Biology
ScD Infectious Disease Epi Harvard TH Chan SPH

Abstract

“The COVID-19 pandemic has exposed existing health inequities for communities of color in the United States. Racism is a known structural cause of these health inequities. This talk will . . . address one of society’s longest standing issues: racism.”



HMC Math & Physics Professors Do Not Oppose New Math

Independent Institute Open Letter Opposing New Math
Signed by 647 CA Math-Related Professionals as of July 28, 2021

“We believe infusing mathematics with political rhetoric is alien to mathematics as a discipline, and will do lasting damage”

<https://www.independent.org/news/article.asp?id=13604>

After June 24 & July 4 Enstrom Email Requests:

0 of 17 Math & 2 of 12 Physics Profs Signed

Mathematicians Pres Klawe & Prof Pippenger Did Not Sign

8/13 Math & 9/11 Physics Profs & Pres Klawe signed 6-3-20 BLM

Impact of Marie Klawe on National STEM

American Association for the Advancement of Science

Klawe selected as 2019 AAAS Fellow

Klawe Appointed to 2019-2023 AAAS Board of Directors

2021 AAAS Board Includes 11 Females and 3 Males

<https://www.aaas.org/governance#bod>

\$703,000 HMC Salary in 2019 is Among Highest in US



Board Member Klawe is Helping AAAS Deconstruct Science & Scientific Method

This *deconstruction* involves diverting science away from objectivity, integrity, and transparency and toward a focus on Social Justice, Black Lives Matter, and ShutDownSTEM.

AAAS acknowledges and supports #ShutDownSTEM, a grassroots movement that aims to “transition to a lifelong commitment of actions to eradicate anti-Black racism in academia and STEM.”

Sudip S. Parikh, PhD June 9, 2020

AAAS CEO and Executive Publisher, *Science Journals*

<https://www.aaas.org/news/aaas-ceo-statement-shutdownstem-and-black-lives-matter>

AAAS Journals *Science* and *Science Advances* Publish Invalid Findings & Block Enstrom Findings

Evaluating the impact of long-term exposure to fine particulate matter on mortality among the elderly

X. Wu, D. Braun, J. Schwartz, M. A. Kioumourtzoglou and F. Dominici
Harvard TH Chan School of Public Health

Science Advances 17 Jul 2020 DOI: 10.1126/sciadv.aba5692

Abstract: Leveraging 16 years of data—68.5 million Medicare enrollees—we provide strong evidence of the causal link between long-term PM_{2.5} exposure and mortality under a set of causal inference assumptions. . . .Our study provides the most comprehensive evidence to date of the link between long-term PM_{2.5} exposure and mortality, even at levels below current standards.

Strong Enstrom Evidence Showing NO PM2.5 Deaths in US and Urgent Need for EPA Transparency Rule Rejected Without Review by *Science* and *Science Advances*

<http://www.scientificintegrityinstitute.org/EPATransJEE041720.pdf>

The Ideological Corruption of Science

In American laboratories and universities, the spirit of Trofim Lysenko has suddenly been woke.

<https://www.wsj.com/articles/the-ideological-corruption-of-science-11594572501>

July 13, 2020 WSJ OpEd by Lawrence Krauss, PhD
Renowned Theoretical Physicist & Origins Project Founder

“Whenever science has been corrupted by falling prey to ideology, scientific progress suffers. . . . To stem the slide, scientific leaders, scientific societies and senior academic administrators must publicly stand up not only for free speech in science, but for quality, independent of political doctrine and divorced from the demands of political factions.”

HMC Illustrates Corruption of US STEM Higher Education

Conclusions:

Maria Klawe has systematically changed the original HMC Mission

HMC has replaced Excellence with Forced Diversity and Social Justice

Original Conservative Founders of HMC have been replaced with Liberal Activist Trustees, President, Faculty, and Students

Current students must learn that the original HMC not longer exists and serious STEM students, especially white males, must not attend

HMC illustrates the ongoing corruption of US STEM Higher Education

Harvey Mudd College must be renamed Maria Klawe College