

Meeting of the Members

January 10, 2021
Sunday, 4-5 PM

AAPT very strongly condemns the violent assault on our democratic institutions and principles. A peaceful transition of power is essential for democracy, education and science. AAPT will continue to do its very best to work with Congress and the incoming Administration to create equitable and inclusive learning spaces in which all students have the opportunity to learn physics in a safe and supportive environment. We will especially focus on vulnerable students.

Agenda

1. Call to Order and Welcome (Singh)
2. Agenda and Consent Agenda (Singh)
 - Approve 2021 Meeting Agenda
 - Approve 2020 Meeting of the Members Minutes (on AAPT Conference page)
3. Secretary Report (Baker)
 - 2020 National Election Results
 - Announcement of 2021 Nominating Committee
4. Section Reps Report (Sturm)
5. Treasurer Report (O’Kuma)
6. Meetings Committee Report (Mogge)
7. Executive Officer Report (Cunningham)
8. President Report (Singh)
9. New Business (Singh)
10. Adjournment (Singh)

Meeting of the Members, Secretary Report

2020 National Election Results

Duane Merrell

AAPT Vice President

Krista Wood

Two-Year College Representative

Blane Baker

AAPT Secretary (re-election)

2021 Nominating Committee

Janie Head (Chair)

Emma Smith

Debbie Andres

Dimitri Dounas-Frazer

David Marasco

Meeting of the Members, Section Representative Report

Vice Chair of the Section Representatives:

- Samuel “Sam” Sampere

Secretary of the Section Representatives:

- Mario Belloni

2022 AAPT National Nominating Committee Members Elected by
Section Representatives:

- Debbie Andres
- David Marasco

WM22 Section Representative Nominating Committee:

- Brad Ambrose
- Vince Kuo
- Brian Pyper
- Kendra Sibbernsen
- Tetyana Antimirova

Elizabeth "Tommi" Holsenbeck current Vice Chair of Section Representatives becomes Chair of Section Representatives

David Sturm rotates off the board as Chair of Section Representatives and becomes Past Chair

Treasurer's Report

AAPT 2021

Virtual Winter Meeting

Tom O'Kuma, Treasurer

Operation Budget Summary

	November 2020 Year to Date Actual	November 2020 Year to Date Budget	November 2020 Year to Date Variance	November 2019 Year to Date Actual	November 2019 Year to Date Budget	November 2019 Year to Date Variance	November 2018 Year to Date Actual	November 2018 Year to Date Budget	November 2018 Year to Date Variance
Revenue									
DESIGNATED FUNDS	108,449	21,001	87,448	51,170	22,685	28,485	169,528	20,459	149,069
GRANTS	677,584	625,871	51,713	1,100,966	1,049,386	51,580	1,200,981	1,180,918	20,063
GOVERNANCE	-	-	-	-	-	-	-	-	-
FINANCE AND ADMINISTRATION	4,196	1,220	2,976	137,368	961	136,407	8,387	1,822	6,565
MARKETING	15	-	15	-	-	-	330	-	330
MEMBERSHIP	637,455	719,966	(82,511)	700,567	737,792	(37,225)	739,307	766,784	(27,477)
COMMUNICATIONS	1,996,484	2,125,391	(128,907)	2,013,903	2,203,912	(190,009)	2,302,293	2,398,705	(96,412)
PROGRAMS AND CONFERENCES	692,716	795,845	(103,129)	821,066	828,530	(7,464)	953,298	910,895	42,403
TOTAL INCOME	4,116,899	4,289,294	(172,395)	4,825,040	4,843,266	(18,226)	5,374,124	5,279,583	94,541
Expenses									
DESIGNATED FUNDS	236,594	111,676	124,918	179,513	117,186	62,327	205,017	213,657	(8,640)
GRANTS	599,383	806,738	(207,355)	995,833	751,052	244,781	1,124,061	1,104,795	19,266
GOVERNANCE	43,315	43,538	(223)	119,044	110,843	8,201	128,722	119,947	8,775
FINANCE AND ADMINISTRATION	1,736,174	1,653,828	82,346	1,836,516	1,681,615	154,901	1,882,632	1,716,655	165,977
MARKETING	72,689	63,975	8,714	74,320	66,096	8,224	77,868	69,976	7,892
MEMBERSHIP	271,467	240,552	30,915	303,663	259,594	44,069	317,691	307,903	9,788
COMMUNICATIONS	690,459	685,829	4,630	709,418	709,861	(443)	958,398	951,941	6,457
PROGRAMS AND CONFERENCES	508,030	434,564	73,466	689,836	659,404	30,432	763,733	733,296	30,437
TOTAL EXPENSES	4,158,111	4,040,700	117,411	4,908,143	4,355,651	552,492	5,458,122	5,218,170	239,952
Net Income before Investment Activity	(41,212)	248,594	(289,806)	(83,103)	487,615	(570,718)	(83,998)	61,413	(145,411)
Funds from LTR & STR for awards & expenses	-	-	-	-	-	-	-	-	-
Restricted Contributions	-	-	-	-	-	-	-	-	-
Total awards and restricted contribution	-	-	-	-	-	-	-	-	-
Net Income W/O awards and restricted contributions	(41,212)			(83,103)			(83,998)		

Operations Budget Highlights

- Income slightly lower than budget
 - Gains in designated funds, grants, and finance and administration mostly offsets losses in membership, communications, and programs and conferences.
- Expenses higher than budget
 - Increase expenses in most areas
- Anticipated a small year-end operations loss
- Next year's budget may also have a small deficit

Investment Performance

- Long Term Reserve
 - Market Value on December 31, 2019 \$6,393,206
 - Market Value on November 30, 2020 \$7,040,173
 - Gain (Loss) \$646,967 (10.1%)
- Short Term Reserve
 - Market Value on December 31, 2019 \$922,494
 - Market Value on November 30, 2020 \$940,813
 - Gain \$18,319 (+1.99%)
- Total
 - Market Value of November 30, 2020 \$7,980,986 (9.09%)

2021 Operations Budget

(all projected)

	2020 Budget	2021 Budget	Change	% Change
Income	\$5,902,580	\$4,950,861	(-\$951,719)	(-16.1%)
Expenses	\$6,476,439	\$5,420,494	(-\$1,055,945)	(-16.3%)
Net Before Investments	(-\$573,859)	(-\$469,633)	\$104,226	+18.2%



AAPT
Meeting of the Members

Sunday, January 10, 2021

Virtual

Meetings Committee Report

Members of the Meetings Committee

Mary Mogge

Jan Mader

Toni Sauncy

Brad Ambrose

Kenneth Walsh

Deonna Woolard

David Marasco

Wendy Adams

Tiffany Hayes

Beth Cunningham

Chair

President-Elect

Vice-President

Section Rep SM22

Section Rep WM21

Section Rep SM21

Rotating Member #1

Rotating Member #2

Ex-officio

Ex-officio

Future Meetings

2021 SM21 Scheduled for Washington, DC
July 31-August 4, George Washington
University, Grand Hyatt

2022 New Orleans January 8-11
Hilton New Orleans Riverside

Grand Rapids, MI July
Grand Valley State University, Amway
Grand Plaza Hotel/Convention Center

Future Meetings

2023 Portland, Oregon January
Portland CC, Sylvania campus

Pasadena, CA July
Pasadena CC

2024 Sacramento, CA February 3 - 6

Boston, MA July 6-10
Westin Bayfront Hotel

The Meetings Committee has recommended that AAPT adopt the APS Meeting Criteria Statement and include the bullet items in AAPT's checklist for potential hosts from WM25 onward.

The criteria was developed by the APS meetings committee, approved by the APS, and can be found at

<https://www.aps.org/publications/apsnews/202011/police-conduct.cfm>

2020 Meeting of the
Members
Executive Officer's Report
Beth A. Cunningham

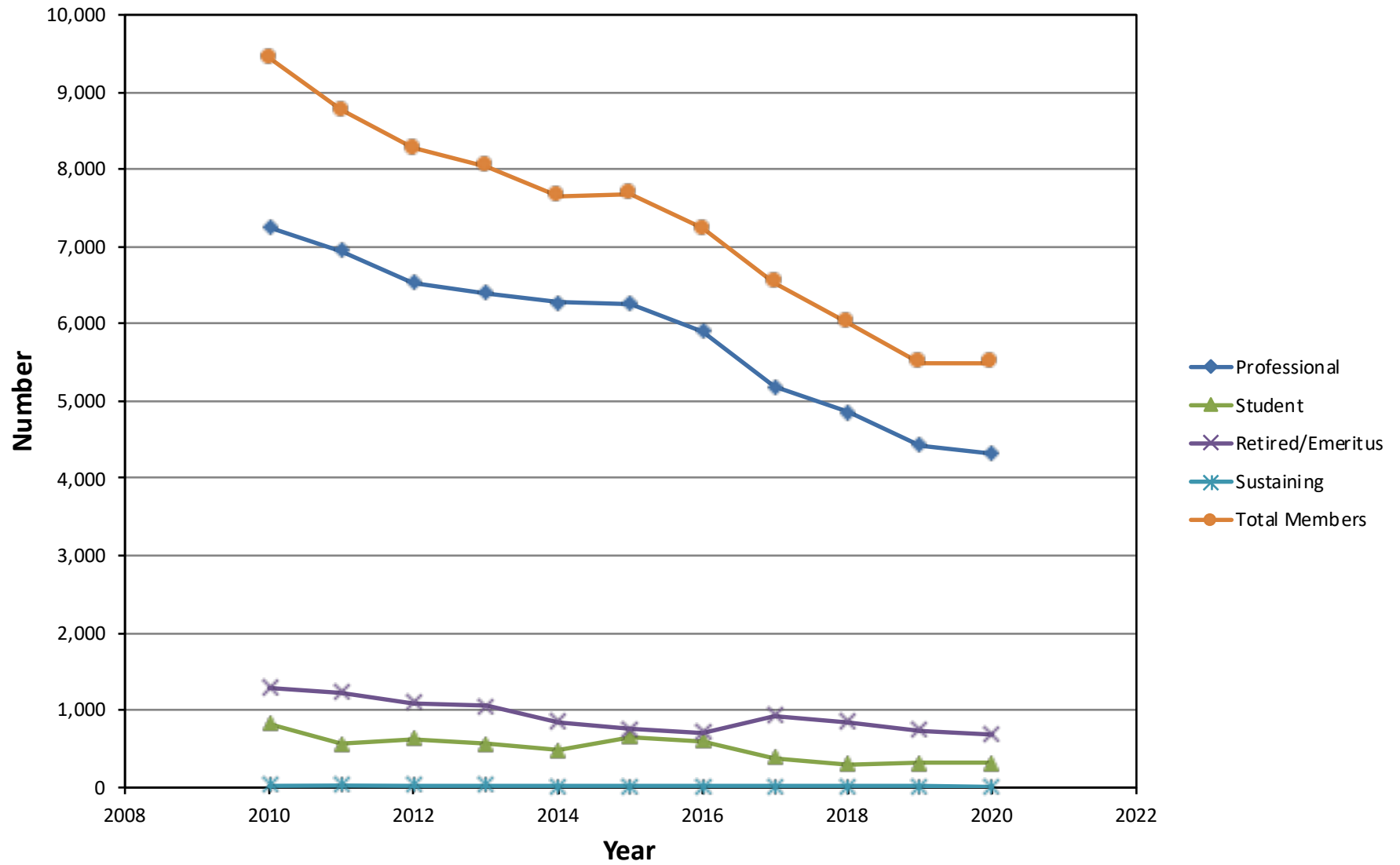


2007 HS Photo Contest
Honorable Mention
Jonathan Walker

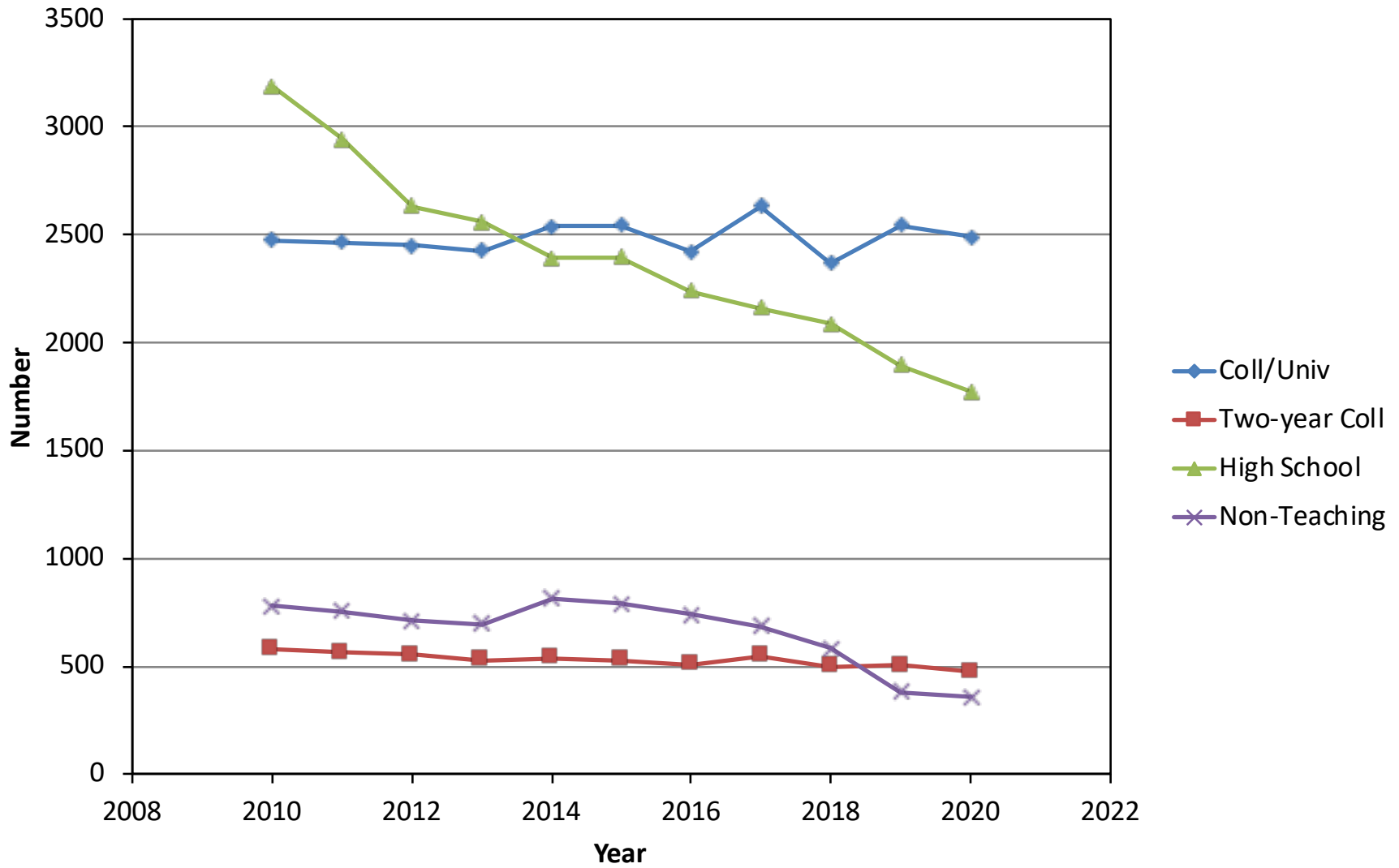
AAPT Staff Update

- Farewell:
 - Lutrina Jackson, Executive Assistant
 - Terrence Hunt, Web Developer
- Welcome:
 - Julie McIntyre, Executive Assistant
 - Julie is coming from the Community Foundation of Howard County
 - >20 years experience
- Thank you to a very hard working staff especially in 2020!

Membership By Type



Membership by Work Area



2020 Year in Review

We had a wonderful WM20 in Orlando and were moving along with our 2020 projects. Then in March....

THE PANDEMIC HAPPENED!

And, the nation started facing the seriousness of systemic racism.

AAPT's Response (Highlights)

- Staff moved to “work from home” on March 17th. ACP started allowing up to 25% occupancy in September.
- Weekly teaching resources list sent to members starting in March.
- Regular Virtual Coffee Hours started in April.
- All AAPT's contests (PhysicsBowl, HS Photo, Physics Team training camp, Apparatus) canceled.
- SM20, WM21, New Faculty Workshop, and Department Chairs Conference moved to being virtual.
- IT assessment conducted by consultants to consider options for the open IT position.
- Consultants hired and produced report in October that outlines steps to create ComPADRE Next Generation.
- Participated in #ShutDownSTEM day in June (work in progress).
- Conducted search for new investment advisors for AAPT's reserves (for Investment Advisory Committee).
- Developed financial scenarios in April for the remaining 2020 budget and produced 3 scenarios for the 2021 budget.

Grants Received in 2020

- Collaborative Research: IPLS Fluids Concept Inventory Development (NSF)
- Empowering Diverse Voices in Communicating Science (NSF) [to support the U.S. Delegation to the IUPAP International Conference on Women in Physics]
- Equity and Inclusion Physics Instruction Three Part Workshop (AIP)

2020 Programs & Activities

- Offered our first virtual national meeting – SM20
- High School Teacher Quantum Workshops in fall (virtual) – funded by NSF
- Grew STEP UP community of teachers to 2,000+ (funded by NSF)
<https://engage.aps.org/stepup/home>
- Produced Get the Facts Out resources (funded by NSF)
<https://getthefactsout.org>
- Participated in #ShutDownSTEM day
- New Faculty Workshop in fall (virtual)
- Department Chairs Conference in fall (virtual)
- U.S. Delegation to IUPAP International Conference on Women in Physics – delegates chosen
- Continued to build the framework for the Physics & Astronomy SEA Change pilot program

Event Participation Code of Conduct Incidents

- WM20:
 - 0 incidents reported
- SM20:
 - 2 incidents reported. Both incidents have been addressed and resolved.
- Executive Officer continues to participate in virtual “hot topic” workshops and events conducted by the Societies Consortium on Sexual Harassment in STEMM (AAPT is a member of the Societies Consortium)

In Memoriam

- Curtis Hieggelke (January)
- Carl Curtis Duzen (April)
- Lillian McDermott (July)
- Charlie Reno (August)
- Uri Haber-Schaim (September)

2020 Area Committee of the Year

- Diversity in Physics
- Physics in Two-Year Colleges
- Honorable mention:
 - Physics in Undergraduate Education
 - Science Education for the Public

2021 Preview

- New online community for AAPT members and committees
- First Doc Brown Futures Award will be given at WM21
- Physics & Astronomy SEA Change pilot to begin (funded by AIP)
- New Faculty Workshops (virtual in June, in-person in November) (funded by NSF)
- Computational Physics Capstone Conference – virtual in August (funded by NSF)
- Master Teacher Instructional Leaders: Underrepresented Teachers of Physics Fellowship will continue (funded by AIP)
- Last Computational Modeling in Physics First workshop for K-12 teachers – (funded by NSF)
- Second Quantum Computing Workshop for HS Teachers
- Conference on Quantum Information Systems for HS Teachers
- U.S. Delegation to attend the IUPAP International Conference on Women in Physics – virtual in July (supported by AAPT and funded by NSF)

Thank you for your continued support
of AAPT!



Meeting of the Members, President Report

Strategic Plan

Goals

1. Continue to engage and invigorate the vibrant community of physics students and physics educators.
2. Enhance professional development opportunities for physics educators.
3. Enhance the visibility and role of AAPT as an expert on physics education policy and practice.
4. Enrich the field by supporting the diversity of physics students and educators at all levels.

Strategic Plan

AAPT will support projects and activities that:

- Ensure that all teachers have access to best practices and high quality instructional materials that meet their needs, support their efforts in curriculum development and account for regional differences. These materials should either provide guiding principles or be practitioner ready;
- Create learning spaces that leverage student expertise in the science and physics classroom and establish classrooms where instructors are informed by students, are attentive to student culture, and are culturally sensitive. These learning spaces should foster inclusivity and dismantle gatekeeper mentality.
- Support diverse, emerging leaders, at all levels of physics education and engage the next generation of physics educators striving to create equitable, inclusive, and diverse physics classrooms.

- There are multiple places/mtgs where ideas from members and committees get discussed (EO/Pres-Elect/Pres; Board; AAPT Staff, Town Hall Meetings, etc...)
- *We*
 - try to be reflective and think through challenges / resource needs / member value / ...
 - see if there are examples from other organizations, bring in membership / AAPT Staff expertise, ...
 - Prioritize things based on a number of factors
 - will make mistakes but we're very open to learning ... please continue to hold us accountable

Structure Considerations

- How can foster ways that ideas from all members are heard?
- What is the right governance structure to move big ideas forward?
- How can we best support the strategic work of area committees?
- How can we get more members, especially early career members active in committee and leadership efforts?

- Expanding voting privileges for student members
- Diversity, Equity, Inclusion plenaries/workshops during the conference
- AAPT/Board Discussions with Area committees about their priorities/values/activities
- AAPT's Carbon footprint
- Accessibility at Meetings and Beyond
- Enhancing Diversity, Equity, and Inclusion Resources at all levels
- Developing longer term relationships with marginalized communities around STEM and Physics Education

Policy and Advocacy

*AAPT Leadership has been to the Hill three times since July 2018 with the support of the AIP Public Policy Team.

*In 2020, virtual congressional visit due to COVID-19.

* When meeting is in DC, we want to support AAPT Membership to engage in advocacy (e.g., at the SM 18 meeting in Washington DC)

* AAPT developed one pagers!

AAPT supports efforts to create effective and inclusive STEM classrooms: *Essential for the US STEM Workforce*

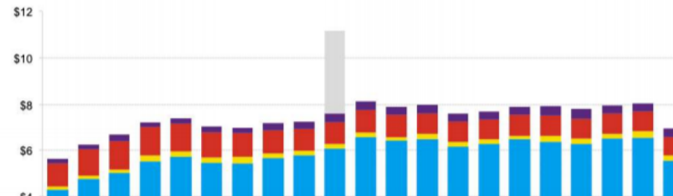


Action: Fund the National Science Foundation (NSF) at \$9 billion for FY 2020. A proportional increase, compared to FY 2019 funding, should go toward the Education and Human Resources (EHR) Directorate, which supports fellowship programs and research on STEM education pedagogy.

The American Association of Physics Teachers (AAPT) values efforts to create effective, inclusive STEM classrooms and encourages additional funding to the NSF's Education and Human Resources Division (EHR) which funds essential programs to support high quality teaching and learning. These efforts directly and indirectly support the development of a diverse and effective STEM workforce.

National Science Foundation Budget

Budget Authority in billions of constant FY 2019 dollars



While NSF's budget has increased since 2000, EHR has seen little change in its budget.

NSF's Research and Related Activities (R&RA) budget has increased by 12.4% since 2008, while EHR has only increased by 1.4%.

Thanks!

AAPT Members

(all the great work you do every day, keep holding AAPT accountable)

EO, AEO and AAPT Staff

(small but powerful team)

Area Committees

(doing great work, from our programs to helping us think about the big picture)

Section representatives

(connection to local/regional efforts)

Board of Directors

Rotating off the Board



Joining the Board



New Business

Adjournment