

**American Physical Society  
Forum on History of Physics  
Annual Report of the Secretary-Treasurer for Calendar Year 2018**

Contents

1. Membership
2. Elections
3. New APS Fellows through FHP Sponsorship
4. Abraham Pais Prize for History of Physics
5. Financial
6. Student Travel Grant Award
7. Student Essay Contest
8. Program Committee
9. 2019 APS Unit Leadership Convocation
10. Forum Councilor Report
11. Note from the outgoing Secretary-Treasurer

(1) Membership

As of January 14, 2019, APS statistics show a total of 3386 FHP members; this is an increase over the 2018 figure of 3307, although still down from 3497 in 2017 and 3524 in 2016. As a percentage of total APS membership, FHP has inched up to 6.1% - a result of a slight overall *decrease* in Society membership to 55,158 from 55,368 in 2018.

Breakdown: 1161 Regular, 573 Senior, 1153 Student, 154 early career, and 345 Life. Our biggest increase has been in the Student category, an addition of nearly 50 over 2018. Of Student members, 873 identify as Male, 211 as Female, with the balance unspecified.

(2) Elections

The Nominating Committee comprised Alan Chodos, Audra Wolfe, Danian Hu, and Cameron Reed.

The committee assembled the following slate of candidates:

Vice-Chair: Michel Janssen, Zuoyue Wang

Secretary-Treasurer: Dwight Neuenschwander, Don Salisbury

At-Large (Early-career): Jinyan Liu, Chanda Prescod-Weinstein

At-Large (Established career): Melinda Baldwin, Allan Franklin

The election ran from October 19 to November 30, with reminder-to-vote messages sent on November 2 and 16. Votes were received from 499 of 3,290 members listed on the FHP voter roster. This represents a participation rate of 15.2%, compared with 12.6% in 2017, 11.4% in 2016, and 11.6% in 2015. In preceding years, the number of votes cast were 418 (2017), 395 (2016), 392 (2015), 562 (2014), 525 (2013), and 460 (2012). The increase in participation rate is likely due to two reminder messages going out as opposed to the usual one.

Upon the close of the April Executive Committee meeting, the new Vice-Chair will be Michel Janssen, the new Secretary-Treasurer will be Dwight Edward Neuenschwander, and the new Members-At-Large will be Chanda Prescod-Weinstein (early career) and Melinda Baldwin (established career).

### (3) New APS Fellow through FHP Sponsorship

The 2018 Fellowship Committee comprised Joe Martin (Chair), Dan Kennefick, Paul Halpern and Cameron Reed. One Forum member, Dr. Peggy Kidwell of the National Museum of American History/Smithsonian Institution, was elected to APS Fellowship and will receive her Fellowship certificate at the April 2019 meeting to be held in Denver, Colorado. Dr. Kidwell's citation will read:

*“For distinguished contributions to the history of physics, astronomy, and mathematics, particularly the work of women in these fields, the development of Harvard College Observatory, and the history of mathematical theory, instruments of computation, and mathematics education.”*

New APS fellows were officially approved by the APS Council of Representative during its September, 2018, meeting.

### (4) Abraham Pais Prize for History of Physics

The Abraham Pais Prize Selection Committee comprised Mary Jo Nye (Chair and 2017 Pais Prize recipient), Peter Galison (Vice-Chair; 2018 recipient), Michel Janssen, Peter Zimmerman, and Gregory Good (AIP representative).

The committee unanimously recommended that Dr. Helge Kragh of the Centre for Science Studies, Aarhus University and Niels Bohr Institute, Copenhagen, Denmark, be awarded the 2019 Pais Prize *“For influential contributions to the history of physics, especially analyses of cosmological theories and debates, the history of the quantum physics of elementary particles and the solid state, and biographical studies of Paul Dirac and Niels Bohr, and his early quantum atom.”* Dr. Kragh will be formally awarded the Pais Prize during the April 2019 meeting to be held in Denver, CO, April 13-16, 2019. Dr. Kragh's nomination was approved by the APS Council of Representative during its September, 2018 meeting.

(5) Financial

As of December 31, 2018, the FHP operating account balance stood at \$ -4,420.18. The 2017 year-end figure was \$ +6,991.14. This is the first time in several years than we have run a deficit. Revenues comprise an annual allocation of \$20,000 from APS if our average balance over the course of the preceding year was below \$50,000, investment interest on the Forum's monthly balance, a share of March and April meeting income depending on the level of FHP participation, and any donations. Expenses comprise travel costs for EC members to attend annual meetings; travel for representatives to attend sorter's meetings; travel expenses, stipends, and fee waivers for invited speakers; and any costs associated with staging plays. Summary for CY 2018:

<b>Opening balance</b> , Jan. 1, 2018:	\$ 6,991.14
<b>Revenues:</b>	
APS annual allocation	\$ 20,000.00
Revenue from March and April meetings	\$ 1,984.00
Interest on operating account	\$ 170.34
Total revenue	\$ 22,154.34
<b>Expenses:</b>	
EC and Sorter travel	\$ 10,995.29
Invited speaker travel; essay contest travel	\$ 11,830.07
Costs associated with plays*	\$ 5,176.74
Fee Waivers	\$ 1,630.00
Miscellaneous**	\$ 3,933.56
Total expenses	\$ 32,015.66
<b>Balance as of Dec. 31, 2018</b>	<b>\$ (4,420.18)</b>

\* Including cost of Brian Schwartz travel

\*\*Telephone charges, FedEx, Pais Prize dinner, hotel A/V charges re plays, student essay contest

Other assets as of Dec. 31, 2018:

Pais History of Physics Prize:	\$ 301,215
FHP Heritage Fund	\$ 192,593
FHP Heritage Lectureship Award:	\$ 64,069

APS Board generously contributed \$63,825 to bring the Pais account up to \$300,000.

(6) Student Travel Grant Award

No applications for the student travel grant program were received during the 2018 calendar year.

(7) Student Essay Contest

The second FHP Student Essay Contest was run in 2018. For future reference, the contest rules are copied here:

The Forum for History of Physics (FHP) of the American Physical Society is proud to announce the 2018 History of Physics Essay Contest.

The contest is designed to promote interest in the history of physics among those not, or not yet, professionally engaged in the subject. Entries can address the work of individual physicists, teams of physicists, physics discoveries, or other appropriate topics. Entries can range from about 1500-2000 words, and while scholarly should be accessible to a general scientific audience.

The contest is intended for undergraduate and graduate students, but open to anyone without a PhD in either physics or history. Entries with multiple authors will not be accepted. Entries will be judged on originality, clarity, potential to contribute to the field, and familiarity with current historiography. Previously published work, or excerpts thereof, will not be accepted. The winning essay will be published as a Back Page in *APS News*, and its author will receive a cash award of \$1000, plus support for travel to an APS annual meeting to deliver a talk based on the essay. The judges may also designate one or more runners-up, with a cash award of \$500 each.

Entries will be judged by members of the FHP Executive Committee and are due by September 1, 2018. They should be submitted to [fhp@aps.org](mailto:fhp@aps.org), with “Essay Contest” in the subject line. Entrants should supply their names, institutional affiliations (if any), mail and email addresses, and phone numbers. Winners will be announced by December 31, 2018.

A total of eleven essays were received. Twelve reviewers participated; each essay was read by five reviewers. Rankings revealed that there were two clear front-runners: Grigoris Panoutsopoulos (University of Athens grad student; topic: Maintaining the balance between unity and disunity in the era of big science) and Flavio Del Santo (Institute for Quantum Optics, Vienna, grad student; topic: Historical misconceptions on Einstein and Bohm). These two were sent to all reviewers for a second round of readings. The winner was declared to be Flavio Del

Santo and the runner-up to be Grigoris Panoutsopoulos. Del Santo was awarded \$1000, and Panoutsopoulos \$500.

(8) Program Committee

The Program Committee responsible for arranging sessions at the 2019 meetings comprised Paul Cadden-Zimansky (Chair), Joe Martin, and Dan Kennefick.

**March meeting sessions (Boston, March 4-8, 2019)**

**The Author in Dialogue: David Kaiser’s “How the Hippies Saved Physics” (A69).** Monday, March 4, 8:00 am – 10:24 am, Room BCEC 052A.

David Kaiser: How the Hippies Saved Physics

William Wootters: John Wheeler’s Course, Theory of Measurement, 1977-1978

W. Patrick McCray: Groovy Physics

Alain Aspect: Reflections of tests of Bell’s Inequality

**Foundations of Physics Debate: How Should We Interpret the Formalism of Quantum Mechanics? (C69).** Monday, March 4, 2:30 – 4:54 pm, Room BCEC 052A.

Seth Lloyd: The Universe as a Quantum Computer

Sean Carroll: Does This Ontological Commitment Make Me look Fat? A Defense of Many-Worlds

Carlo Rovelli: The Relational Interpretation of Quantum Mechanics

Wojciech Zurek: Quantum theory of the classical: quantum jumps, Born’s rule, and objective classical reality via quantum Darwinism.

**History of Contemporary Chinese Physics (E69)** Tuesday, March 5, 8:00 am – 11:00 am, Room BCEC 052A.

Danian Hu: Creating a Center of Theoretical Physics at Christian Yenching University in Peking: British physicist William Band’s endeavor in the 1930s

Lie Sun: From Binoculars to Cinetheodolite: The Development of Applied Optics and the Optical industry in China

Zuoyue Wang: Entangled Worldlines: Four Physicists Whose Transnational Trajectories Reshaped Physics in China and the United States

Jinyan Liu: Chinese Physicists’ Construction of Straton (or Mao-particle) in the 1960s: the Chinese search for the structure of Hadrons under the guidance of Maoist philosophy

Tian Yu Cao: Physics and Policy Intertwined – The manipulative moves in the 2016 supercollider controversy in China

**How Physicists Communicate (F69).** Tuesday, March 5, 11:15 am – 1:39 pm. Room BCEC 052A. Cosponsored with FGSA.

Chanda Prescod-Weinstein: Whisper Networks in Astrophysics

Michelle Baildon: Capture Communication of Physics Through the Archive

Harry Collins: Sociological perspectives on the Confirmation: Analysis and Communication of Results in the Physical Sciences

**April meeting sessions (Denver, April 13-16, 2019)**

**Remembering Julian Schwinger (B05).** Saturday, April 13, 10:45 am. Room: Sheraton Governor's Square 14. Co-sponsored by DPF. Chair: Donald Salisbury.

Michael Lieber: Divergence

Kimball Milton: A Remembrance of Julian Schwinger

Howard Georgi: Julian Schwinger at Harvard before June '67 -- remembered by a star-struck and frequently confused undergrad

**Secrecy and Espionage in Science (D06).** Saturday, April 13, 3:30 pm. Room: Sheraton Governor's Square 15. Chair: Dan Kennefick.

Audra J. Wolfe: Scientific Internationalism, Scientific Intelligence. Or Both?

Alex Wellerstein: The legacy of nuclear secrecy within the United States.

Douglas O'Reagan: Stealing Nazi Science: Allied efforts to Acquire German Science and Technology during and after the Second World War

**Centennial of the Eddington Eclipse Expedition (G02).** Sunday, April 14, 8:30. Room: Sheraton Plaza D. Co-sponsored with DGRAV. Chair: Beverly Berger,

Daniel Kennefick: No Shadow of Doubt: Eddington, Einstein, and the 1919 Eclipse

Donald Burns: Repeating the Experiment that made Einstein Famous

Jeffrey Crellin: Einstein's Jury: Trial by Telescope

**Pais Prize Session: Helge Kragh (L07).** Sunday, April 14, 3:30 pm. Room: Sheraton Governor's Square 16. Chair: Michel Janssen.

Helge Kragh: Varying Gravity: Dirac's Legacy in Cosmology and Geophysics

Allan Franklin: Is It the Same Result: Replication in Physics

Robert Smith: Why Do the Stars Keep Shining: A Long Journey to a Satisfactory Answer

(9) 2019 APS Unit Leadership Convocation

**Notes on the APS Leadership Convocation**

Washington DC, February 1-2, 2019

For the Forum on History of Physics Executive Committee

Dwight E. (Ed) Neuenschwander, ST-elect

When I was asked to allow my name to appear on the ballot as Secretary-Treasurer of FHP, I accepted out of gratitude. I have learned much as a member of FHP, was privileged to edit the *FHP Newsletter*, and am grateful to be a Fellow. At a personal level, when my family's home was leveled by a tornado in 2011, FHP members generously offered their help. I appreciate this opportunity to give back.

Here is a summary of the 2019 APS Leadership Convocation. I apologize in advance for repeating some facts you already know. I am writing this from rough notes, not only to inform the Executive Committee, but also to better preserve my own memory of what I saw and heard.

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The convocation began with overview from CEO Kate Kirby, “the view of APS from 30,000 ft.” APS has 47 units, consisting of 16 Divisions, 8 Forums, 13 Topical Groups, and 10 Sections. A 14<sup>th</sup> Topical Group on Data Science is being considered. The units “provide communication, identity, scientific vitality, nominations, and elect Council representatives.” I will say more about “identity” below. (As a former employee of AIP who had to explain the point countless times, I could relate when Kirby showed a slide that proclaimed “APS ≠ AIP!”)

According to APS CFO Margaret Banderer, APS membership stands at 55,158. The 2019 budget is about \$66M 2019 and APS has a \$165M reserve. Core APS activities are publications, meetings, programmatic activities including education, careers, public engagement, and international affairs. APS accomplishments of recent months include:

- \* assessing the impact of the Industrial Physicist Report;
- \* the APS Prizes and Awards Committee decided to use \$1M of the reserve to “top off” the various Prize and Award endowments, and announced that “units will evaluate sustainability on a regular basis;”
- \* the Ethics Standing Committee approved the work done so far on the Ethics Statement.

Matthew Salter of APS Publications told us that 40,646 manuscripts were submitted in 2018 to the 17 peer-reviewed APS journals—a 24/7 average of one manuscript every 13 minutes! These submissions represent a 2% increase from 2017. Of these submissions, 19,552 articles were published (up 3.1%) along with 425 non-peer reviewed articles (e.g., editorials), an average of 3 papers processed per minute. Until now 3% of articles are published open-access, but a new, completely open access journal tentatively titled *Physical Review Research* should launch soon.

The presentation by Francis Slakey, APS government affairs officer, raised the question, “How did the change in the House of Representatives in the 2018 mid-term elections affect APS advocacy? Answer: It didn’t. APS *issues* are independent of who is in office. Our *tactics* may change, but our *principles* do not.” Slakey quoted Omar Bradley, “Set your course by the stars, not by the lights of every passing ship.”

The most effective tool that APS has is grassroots advocacy. I learned that, when APS sends an email alert saying “contact your Congressperson...” APS can see the response. We were told that such responses “have an effect.” For instance, after a grassroots advocacy campaign about the Administrations’ proposed science budget cuts, Congress rejected those proposals. Other mentioned APS programs include:

- \* the Bridge Program that helps under-represented minorities complete PhDs in physics;
- \* advocacy for the “dual intent” visa;

- \* continued advocacy for the Federal science budget, climate change awareness, opposing cyber-espionage and data theft.

Slakey said “We may lose some battles, but we will be true to ourselves.”

Amy Flatten spoke next on International Affairs. One-quarter of APS members reside outside the US. The IA coordinating groups are CISA (Committee on International Scientific Affairs) and CIFS (Committee on Freedom of Scientists, which monitors human rights). APS sponsors several travel award programs, including support for travel to the March and April meetings. Chairs of Forums submit nominations to CISA. The over-arching IA goals of APS include:

- \* Expand ways for people to participate in APS;
- \* expand the international connections of APS units;
- \* expand international opportunities for young physicists;
- \* deepen the international connections of all APS components;
- \* empower units to expand joint activities. It was suggested that each unit have an “international officer” on its executive committee.

Becky Thompson, the Outreach/Public Education officer, described her group’s diverse and interesting activities, some aimed at K-12 audiences. One quotable comment is “Public education walks a fine line. Too much ‘education’ and no one reads it; too ‘entertaining’ and no one learns.”

John Rumble next told us about the APS Council, on which every unit has representation. The Council focuses on science and membership policies; publications oversight; policy statements; meetings and conferences; admission of Fellows; Prizes and Awards; approval of APS constitutional amendments and bylaws. The Council’s recent activities include: reviewing criteria and budgets for Prizes and Awards; the international engagement task force; strategic planning; fellowship allocations; industrial physicist impact; the standing committee on ethics.

The Strategic Plan was much discussed; Rumble mentioned that the 2019 President would say more about it on Saturday. The Plan emphasizes

- \* needs of student and early career physicists;
- \* the advancement of international activities;
- \* meetings and publications, including new technology and non-traditional modes.

Rumble asked what activities do units practice that take advantage of new technology?

Part of Friday was spent in a tutorial on the new ENGAGE communication platform. Through one’s APS username and password, one logs onto ENGAGE which will be used, we are told, to search unit rosters, network and share documents, post events, conduct unit discussions, and serve as an historical repository. All unit leaders will have ENGAGE access now, and all unit members will be given access this coming fall. Unit websites will be migrated to ENGAGE, we were told.

Next Holly Croft talked about membership. Some 70,000 physicists are in the workforce; about half are APS members. A recurring question was “how can APS recruit more members, and how can units get more APS members to join them?” Responses to this question were discussed in the Forum officer’s meeting described below.

Daryl Campbell, APS Assistant Controller, presented information about APS finance and governance. I learned something that the FHP Executive Committee has always known, that each Forum receives from APS and annual funding of \$20k if the Forum’s average balance is  $\leq$  \$50k. Other Forum income sources come from interest on APS investments, and a portion of revenues from the March and April meetings.

Some but not all states offer tax exempt status; units should check with APS when planning event expenses. When paying compensation, Prizes and Awards, travel grants, consulting services are taxable as reportable income if the amount is  $\geq$  \$600. If an Award has a stipend  $<$  \$500, the APS does not need to use a tax form. Reimbursements are not taxable.

Payment request forms are required for all payments (scanned documents sent electronically are preferred but one can still use surface mail). Informal emails requesting payment will no longer work. Per diem rates when on APS business are \$20 for breakfasts and lunches, \$40 for dinners, and 58 cents per mile for travel by personal car.

Some APS Communications personnel (Sara Connors, Jamie Liu, Chris Coleman) informed us that statistics on units are available. Their staff can also produce anything visual that a unit might desire, from websites to T-shirt design logos.

Friday afternoon after coffee break, the various types of units huddled in parallel discussion sessions. Paul Cadden-Zimansky and I repaired to a conference room for the Forum officer’s discussions. Paul raised one of the first questions, about funding good ideas that deserve repeating, but require nontrivial funding. He used the FHP-sponsored plays as an illustration. Each of these quality events can consume about a quarter of the FHP budget. If producing a physics history play was a unique occurrence, that cost could be absorbed, but if its success begets further plays, perhaps annually, then steady sources of supplementary funding would be necessary. Paul’s question was, for such acclaimed but expensive events, where can a Forum look to seek stable funding? Should the Forum seek resources outside of APS? Should there be a “new initiative” funding structure? Two interesting discussions resulted.

1. An immediate and encouraging reply was forthcoming from the discussion chair. The APS is just now rolling out a new “Innovation Fund” program. My understanding is that this coming year it will be an experiment, with the hope and intention of making it a permanent feature of APS. Units that have a wonderful idea whose implementation requires non-budgeted funding are invited to submit a proposal summary (\$25k - \$100k range) to the APS Innovation Fund. On this roll-out year, the proposal deadline is March 18. Units surviving the first cut will submit a formal proposal. The Innovation Fund was also announced the APS President’s speech on Saturday morning.

2. It was suggested that the annual allowance of \$20k to Forums be raised to \$25k. It was suggested that, for this to happen, the chairpersons of all eight Forums should co-sign a formal proposal and work with the Council.

The next round of discussions centered on strategies for increasing the number of *active* Forum members (I understand the FHP has about 3500 members). Several ideas were aired: Using the new ENGAGE platform's features; using LinkedIn, more Forum presence at Section meetings. One technology tool now available (so I understand) is an APS app whereby one can scan the meeting badge of a consenting APS member, which enrolls them at once in the unit in which the badge-wearer has expressed interest. Low-tech but effective practices mentioned include passing around a clipboard during a Forum session, inviting attendees to share their contact information if they are interested in the Forum.

Someone asked how Forums can learn in what activities people *want* to be engaged. I sat there thinking, the reason that one joins an APS Forum is because that Forum's role resonates with the person's *identity*. So I have been wondering, "How can FHP engage the majority of its 3500 members who seldom attend meetings—perhaps because of family or workplace constraints, or lack of funds? How can persons interested in the history of physics contribute to the FHP conversation, even from their homes and offices?"

A last point of discussion in the meeting was a request, echoed by several officers, that the APS generate guidelines for Forums seeking external funding.

Saturday morning featured the speech of the 2019 APS President, David Gross. In his introductory comments he described how, as the nation approached the 2016 Presidential election, he had high hopes for constructive relationships between science and policy-makers. However, those dreams were "shattered" by the 2016 election. Since then science has been "in a defensive mode." He turned to four main elements of the newly published APS Strategic Plan:

- \* The Innovation Fund, which solicits proposals from units, APS members and staff.
- \* The idea of replacing the March and April meetings with an "Annual Meeting" is being seriously studied.
- \* The future of scientific publishing is a major concern. "APS was created to support its journals," but "technology is threatening the scene."
- \* APS aims to increase its development activity.

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I am grateful for this opportunity to glimpse APS from the inside.

When my name appeared on the FHP election ballot, I emailed the other ST candidate, my friend Don Salisbury, and said, "Don, if you are elected then I *know* the FHP will have an excellent Secretary-Treasurer. If I happen to be elected, I'll give it my best shot." For some reason, here I am. I will give it my best shot.

I thank Paul Cadden-Zimansky for taking me aside after the Forum officer's meeting to discuss my responsibilities. I also thank my predecessor, Cameron Reed, for offering to help me learn the ropes. I will ask many questions, especially this first year.

Respectfully submitted,

Dwight E. Neuenschwander

(10) Forum Councilor Report

**Report From FHP Forum Councilor Virginia Trimble  
November 2018**

ELECTION RESULTS

Voting by total membership: Jim Gates is next in the presidential line. Jim Hollenhorst was re-elected treasurer, Enge Wang is new international councilor, Robin Selinger new General Councilor, Norah Berrah chair elect of nominating committee.

Voting at the Council meeting

Next in the line as "Speaker of the Council" is Andrea Liu of U Pennsylvania. Ahmadou Wague of Senegal was elected to Council.

Actions

1. All APS & unit meetings will provide mini-grants for dependent care (max \$500 = expected airfare for a care-giver).
2. A member of the Board will be added to the Committee on Scientific Publishing
3. A Committee on Ethics will be established. A motion put forward very late in the day said their first task should be to establish a policy on revocation of fellowships, prizes, and awards (like that recently adopted by AAAS). Sense of council was "committee first; charges afterwards."
4. Most of the POPA archived statements will be retained, with some minor updating.
5. Allocation of Fellowships to units will be modified AGAIN, this time so that each unit has a quota proportional to the number of members who are (a) not students and (b) not already fellows. This will reduce FHP's quota from 4 to 3. Geographical sections re not allocated Fellows. Total per year will remain 173 or so, but "alternates" will again be permitted so that unfilled quotas can be filled from other units.
6. Prizes & Awards: The policy of no new major ones for a while was endorsed, but units may add thesis/junior prizes at will IF these are properly funded. DAP has just added a Cecilia Helena Payne-Gaposchkin thesis prize). Roughly half the existing prizes & awards are under-funded at the new "30:1" ratio. That is, you need an endowment of \$300,000 for a \$10,000/year prize. The endowment will bring in somewhat more, but travel expenses will be paid from the endowment and APS will take 2% of the award amount (eg \$200/year for a \$10,000 prize) to cover administrative expenses.

## ACTION ITEMS

Each unit is to move toward having an early-career member of its committee.

Each unit is to acquire (meaning now, I guess) a committee member to address international issues (of which more below). I think this means chair can appoint one.

## INFORMATION ITEMS

1. Treasurer's report - APS remains solvent; could top up all the ailing prize funds for a total of \$1-1.38 million and not suffer, but donors would be better.

OPEN ACCESS remains a threat to financial stability. There is discussion of having either Gold Open Access counterparts to Phys. Rev. A, B, C, D, E etc., or (probably the preference of the editor in chief because easier to manage) a single Gold Open Access Physical Review. In either case authors will be assessed "processing charges" (aka page charges) and conceivably papers might be accepted for 'open' that would not be accepted for regular PR sections

There are "development officers" whose job is to attract foundation and private funding.

2. Council approved moving ahead to pursue an NSF grant for the PIPELINE Community; this has pieces addressing education of new physicists to learn something about industry & entrepreneurship, called PIE)
3. The 2019 Strategic Plan is nearly ready for release. It has pillars called Serving Members, the physics community & society, and Ensuring a meaningful role in scientific research dissemination; and foundations called Increased organizational excellence and Securing financial sustainability.
4. Recent NSF grants totaling almost \$2 million/year for (a) Enhancing diversity at graduate level, including Bridge Programs, (b) creating effective practices (not I rejoice to say "best practices") and assessment for under grad physics education and (c) to change the conversation around STEM teacher recruitment (i.e. you can live on the pay; the jobs can be inspiring...)
5. New historic sites dedicated: LIGO at Livingston (with France Cordova there) and Hanford; at Argonne National Lab where Maria Goeppert Mayer developed the shell model of the atomic nucleus. I have been appointed to the Historic Sites Committee.
6. Ken Cole is retiring at the end of December. He will be missed!!!
7. 2019 Convocation JW Marriott, Washington DC, Congressional Visits Day 31 January; leadership convocation 1-2 February.

8. History of Physics continued to be the one area of physics research for which there is no place in APS publications. There was not time at the meeting for me to complain again about this, though I did in April.
9. Adoption of a very impressive report from "Task force on expanding international engagement" (chaired by Jonathan Bagger of TRIUMF) with recommendations and implementation to integrate international affairs across all APS activities, especially for young physicists, and to advance government policies that promote international scientific collaboration. More than half of the papers now appearing in PR have contact authors outside the US. The Task Force has suggested (and most Council members seem to concur) that APS should serve as a "global hub". APS has a sizable number of members resident outside the US (11,619 out of 50,900, including many students), though very few US-based APS members also belong to other physics societies apart from home countries. At the April meeting President Roger Falcone doubled the number on council by joining EPS. We learned this time around that there is a new African Physics Society, in which we will be welcome once they are a bit better organized.
10. Adoption of another very impressive report on The Impact of Industrial Physics on the US Economy. Final formatting to take place before December 2018 release. Bottom line is a real bottom line -- 12.6% of the U.S. economy can be ascribed directly to the practice of industrial physics. This is a direct quote and requires some background on how the APS Industrial Physics Board (chair Bob Doering of Texas Instruments) defined industrial physics. An electronic copy of the report is available free of charge at <https://www.aps.org/programs/industrial/impact-economy.cfm>

It was intended that the four hour afternoon session be devoted to "Introduction to supporting & engaging early career members for equity in APS", with two young woman "facilitators." It was intended that we "develop a set of critical questions and frameworks to guide strategic work during the session and for the APS going forward. The session will conclude with a preliminary discussion of the next steps." This did not unfold as Council members were led to expect, having some aspects of the games kindergartners participate in while being taught to "make nice." I hope it will not be tried again.

The intended target of making APS more attractive to early career physicists, definitely including those going into industry and other parts of the private sector, as well as into K-12 teaching, government labs, academe, and all is AN IMPORTANT ONE, AND WAS NOT REALLY ADDRESSED.

Virginia Trimble

(11) Note from the outgoing Secretary-Treasurer

It has been an honor and a pleasure to serve as FHP Secretary-Treasurer for the past six years. I have learned much about the workings of FHP and APS, and it has been a wonderful experience to come into contact with some of the most outstanding individuals in our discipline. I would especially like to remark that every member of the Executive Committee has been a pleasure to work with; one could not ask for a more professional, dedicated, and personable group. Term limits and personal circumstances will necessarily limit my involvement with APS for the foreseeable future, but I look forward to remaining engaged with the Forum.

Respectfully submitted,

Cameron Reed  
Secretary-Treasurer  
April 22, 2019