

Minutes of the Executive Committee Meeting of the APS Forum on the History of Physics, Sunday, April 13, 2008, 1:00 PM – 5:20 PM, Directors Row 23, Hyatt Regency St. Louis Riverfront Hotel in St. Louis, Missouri.

(The minutes of the annual Business Meeting of the FHP is at the end of this report.)

Present: William E. Evenson (Chair), David C. Cassidy (Chair-Elect), Virginia Trimble (Past-Chair), Roger H. Stuewer (APS Councillor), Michael Riordan (Newsletter Editor), and Members-at-Large J. David Jackson, Paul Halpern, Peter Pesic, George O. Zimmerman. Newly-elected participants, with terms beginning at the close of the April meeting: Robert G. Arns, Daniel Kleppner. Visitors (for various times throughout the meeting): Alan Chodos, Amy Flatten, Judy Franz, Clayton Gearhart, Don Howard, Ed Neuenschwander, John S. Rigden, Joe Serene, Gene Sprouse.

Gloria B. Lubkin (Vice-Chair) joined the meeting on speakerphone.

Thomas Miller (Secretary-Treasurer) was unable to attend; Paul Halpern recorded the minutes for the meeting.

1. Opening: Following lunch, Bill Evenson opened the meeting at 1:20 PM, welcomed participants and made introductions.
2. Presentations by APS Visitors: Gene Sprouse, APS Editor-in-Chief, reported that APS journals continue to grow. He mentioned several new features including “Editor’s Suggestions” (2 or 3 papers chosen each week for special interest), “Milestone Letters” (especially significant papers from each year of Physical Review Letters dating back to 1958), a project to show the names of Asian authors in their own language characters along with the English transliteration, a project to recognize outstanding referees, and a new online service called “Physical Review Select,” in which experts write introductory pieces about articles.

Joe Serene, APS Treasurer/Publisher, reported that the Society finished the year with an operating surplus, and has been running a surplus since 2003. He mentioned the remarkable success of the APS journals in increasing their efficiency. Membership, outreach and meetings have operating budgets in the range of \$3-5 million. Meetings try to break even. The reserve fund at the end of 2007 had \$105 million. APS is investing \$3M in Renaissance Technologies Fund. Journals continue to operate on a 5 tier system, with close to 40% of the income coming from Tier 1 institutions. There is an effort to expand sales to consortia, mainly in the Pacific Rim.

Alan Chodos, APS Associate Executive Officer, reported that APS is amending its bylaws to make the Historic Sites Committee a standing committee of the APS. He also spoke about the Fellowship Database; submissions are now electronic and the deadline is May 10. The number of submissions from the FHP is fewer than the APS would like.

Evenson expressed appreciation to the APS for its initiatives.

3. Editor's Report: Michael Riordan invited Ed Neuenschwander of Southern Nazarene University to join the meeting as a possible new Associate Editor of the FHP newsletter. Sample copies were passed around of the newsletter and magazine he edits for the AIP Society of Physics Students. Neuenschwander spoke about his interest in the history of physics and said he was happy to be considered.

Riordan spoke about the future of the newsletter and whether or not to go partially electronic as a cost-saving measure. He suggested that the Fall newsletter remain in paper, but that the Spring newsletter convert to a mostly electronic format, with only a small quantity of paper copies being printed and distributed to members who specifically requested them. He discussed the newsletter's finances and mentioned that FHP recently topped the list of printing costs for APS units (Attachment 1). There has been a steady increase in printing and especially mailing costs over the past six years. He estimated that going electronic for the Spring issue would save about \$4,500, less any costs of the limited printing.

Evenson mentioned that he approached Judy Franz about boosting funds for units. Stuewer mentioned that Franz is retiring next year and a search committee is being set up to find her successor.

After further discussion, Stuewer introduced a motion: **“I move that we delegate responsibility to the editors to determine the direction of the newsletter in the near future. Each year we will see how it is going and how to adjust it.”**

The motion was seconded. A vote was held, and **the motion carried unanimously.**

Neuenschwander left the room and there was discussion about his qualifications for Associate Editor, which were deemed excellent. The only important question raised was whether he might become overcommitted owing to his continuing AIP/SPS responsibilities.

Virginia Trimble introduced a motion: **“I move that we appoint Ed Neuenschwander as Associate Editor with the expectation that he will assume the editorship at the end of Michael Riordan's term and play a role in identifying his new Associate.”**

The motion was seconded. A vote was held, and **the motion carried unanimously.**

4. Minutes, nominating committee. Evenson reminded the committee that the minutes from 2007 were circulated and approved by e-mail. The nominating committee is discharged with thanks. Please offer candidate suggestions to next year's committee. He circulated a copy of next year's officers and executive committee members to check for correct contact information.

5. Secretary-Treasurer's Report: Evenson presented Tom Miller's report (Attachment 2), handed out Travel Expense forms, and announced the election results. He reported that we have received the first installments of a donation to endow a lectureship. Evenson mentioned that a recent membership survey indicated that the FHP has more than a thousand student members. He will put together further observations and send them out by e-mail.
6. Travel Reimbursement Policy: Evenson will send by e-mail a draft of Principles for Travel Support, which Miller and Trimble assisted with. He passed around a paper copy (Attachment 3).
7. Program Committee Report: David Cassidy reported that programming duties were split this year between the Chair-Elect, who handled the April Meeting, and the Vice-Chair, who handled the March Meeting. This helps officers gain 2 years of experience. Dan Kleppner said that makes it essential for the newly elected Vice-Chair to attend the Executive Committee meeting. Evenson suggested that we should explore with the Secretary-Treasurer the possibility of offering support for incoming Vice-Chairs. Riordan reported that contributed sessions are thriving. Gloria Lubkin pointed out that the March sessions are discussed in written reports (Attachment 4). She said that because the April Meeting attendance has declined, we should think about working for increased allocations of invited sessions at the March Meeting.
8. APS Visitor: Judy Franz: Franz congratulated the FHP on the sessions at the April Meeting. She reported that the APS Council voted unanimously to regularize the Historic Sites Committee. In 2010 the APS will work with the Optical Society to celebrate the 50th anniversary of the laser. The 2010 April Meeting will be held in February jointly with the AAPT. She spoke with the NSF about external funding. The Topical Group on Gravitation is now the largest Topical Group. The FHP is the only unit to allow 24 minute presentations. Evenson mentioned that the room for the first contributed session (Manhattan Project) was too small.
9. Forum Councillor's Report: Stuewer reported that APS Executive Officer Judy Franz will be retiring next year, at the end of her third five-year term. A Search Committee for her replacement is being formed by APS President Artie Bienenstock; please send suggestions for candidates to him at [arthurb\(at\)stanford.edu](mailto:arthurb(at)stanford.edu). The Forum on Graduate Student Affairs has elected a graduate student to the Council. APS Associate Executive Officer Alan Chodos has led a wide range of outreach activities. APS Treasurer/Publisher Joe Serene reported that APS is in good financial shape. The assets of the Pais Prize continue to grow. APS Editor-In-Chief Gene Sprouse reported that APS and Harvard University are in negotiation regarding copyright issues. APS Council voted (a) to amend the APS Bylaws to achieve "balance" in the *results of elections* instead of in the *slates of candidates* (first vote); (b) to approve the formation of a new APS Section, the Prairie Section; (c) to change the status of the APS Historic Sites Committee from an ad hoc to a Standing Committee; and (d)

“to express its thanks and appreciation to John Rigden for his outstanding leadership as Chair of the Historic Sites Committee since its creation in 2004.” Stuewer meanwhile has distributed his Councilor’s Report in its entirety to the FHP Executive Committee (see Attachment 5).

Stuewer also made some remarks on the Pais Prize Selection Criteria. He emphasized that these criteria, as they appear on the FHP website (see Attachment 6a), were carefully formulated by the APS/AIP Prize Committee (Ben Bederson, Chair, Harry Lustig, Michael Riordan, Stephen Brush, who later withdrew, Spencer Weart, Gloria Lubkin, and himself); that this committee (with particular thanks to Harry Lustig) raised over \$200,000 to establish the prize, then named it the Pais Prize, and finally obtained the approval of the Selection Criteria by both the APS and AIP. These criteria thus *are* the Pais Prize Selection Criteria, and they cannot be modified or "interpreted" by any Selection Committee. The only way to change these criteria is to do so formally, by proposing a change to the FHP Executive Committee, and if the FHP Executive Committee approves, then forwarding the proposed change to both the APS and AIP for their consideration and possible approval. Evenson, Lubkin, and Riordan agreed with and supported Stuewer’s remarks; no one opposed them. Halpern, as Chair of next year’s Pais Prize Selection Committee, stated that he and his committee would adhere to them. The composition of the Selection Committee, in general, is determined by APS rules, with the proviso that one of its five slots is filled by an AIP appointee for a renewable two-year term; another slot is filled by the past year’s Prize winner for a one-year term; and the other three slots are filled by people appointed to staggered two-year terms, the Vice Chair in any given year becoming Chair in the succeeding year. Stuewer, as Chair of the first Selection Committee, proposed a set of six Selection Committee Rules, which the entire committee (besides himself consisting of Allan Franklin, Anne J. Kox, Lillian Hoddeson, and Spencer Weart) thoroughly discussed in consultation with AIP and APS officials, modified accordingly, and finally approved unanimously. Stuewer distributed this document (Attachment 6a), dated June 12, 2004, which is intended as a precedent to be followed by subsequent Selection Committees, to the FHP Executive Committee, and Evenson said he would arrange to have it posted on the FHP website.

Stuewer introduced a motion: **“I move that the Executive Committee of FHP express its thanks and appreciation to John Rigden for his outstanding leadership as Chair of the Historic Sites Committee since its creation in 2004.”**

The motion was seconded. A vote was held, and **the motion carried unanimously.**

10. Report from Unit Convocation: Evenson called attention to the two email reports sent out in February and March and distributed in printed form in this meeting (Attachment 7).

11. Report from Historic Sites Committee: Rigden reported that four new sites have been chosen: a garage in Palo Alto, a site related to Hewlett Packard, the Holmdel site of the Penzias-Wilson discovery, and McGill University (associated with Rutherford).
12. Fellowship Committee Report: Cassidy reported that Crease and Howard were elected to APS Fellowship (Attachment 8).
13. Report on Department Histories: Jackson reported that the response to the call for department histories has been underwhelming. There is a renewed call in the Spring newsletter (Attachment 9). Zimmerman and Arns volunteered to follow up on this project as Jackson rotates off the committee.
14. Report from Past Chair: Trimble reported that the WYP Speakers project was very successful and is now completed. APS is now allowing two sponsored FHP lectures per meeting. She mentioned the Bardeen family's support of studentships, and spoke about Retirement Packages, including a CV and list of publications for retiring physicists (Attachment 10).
15. Report on seminars on historical topics for physicists and physics students: Peter Pesic reported that students have given sessions on historical topics, and he hopes to encourage more.
16. Graduate students and international liaisons: Evenson reported that the committee voted to have a student member, but there were concerns about cost and procedure. He suggested a subcommittee be appointed to explore this and report by email to the Executive Committee. Evenson will follow up in conjunction with Cassidy.
17. Bylaws: Evenson reported that there was confusion about the approval status of the latest changes to the bylaws. Lubkin assured the Executive Committee that the changes had been fully approved when she was on the APS Council.
18. APS Visitor: Amy Flatten, Director of International Affairs: Flatten reported on programs to bring international visitors to the US. She mentioned that these have cross-cutting relevance, but most APS members are unaware of them. She also mentioned the availability of \$2,000 travel grant awards to promote collaboration with physicists from developing countries. There is a call for proposals twice a year. She reported about the Beller and Marshak Lectureship awards for eminent international physicists to speak at APS, and described programs to bring APS journal access to developing countries. Her program has a website about various opportunities (Attachment 11). Evenson suggested that a liaison from our committee should consider how to work with her group.
19. Appointment of New Committees: Cassidy distributed a draft of committee membership (Attachment 12).

20. Certificates. A certificate of appreciation, signed by Isaac Newton, was presented to retiring Past Chair, Virginia Trimble. Certificates of appreciation were also presented to retiring Executive Committee members J. David Jackson and Catherine Westfall (by mail). Trimble was thanked for her generous donations to support FHP activities.
21. Adjournment. At 5:20 PM, the meeting was adjourned.

Attachments

Attachment 1: Newsletter Cost Report (Michael Riordan)

At the Executive Committee meeting, Editor Michael Riordan distributed statistics on the costs of the most recent FHP Newsletters, updated here based on the latest accounting statement and including mailing costs. The APS says that the printing jobs go out for bids, and the cost depends on various parameters such as advancements in printing techniques, time of year, and how desperate the printers are for work, so there can be much variation in cost. Note that 20-25% of the mailing cost is for foreign delivery.

Edition	Pages	Printing Cost	\$ Per Page	Mailing Cost	Total Cost
Spring '07	12	\$4,051	338	\$2,830	\$6,881
Fall '07	20	2,278	114	3,582	5,860
Spring '08	12	1,221	102	3,627	4,848

Averaging the costs of the last two editions, one gets \$108 per page and \$3,604 mailing costs, which translate into an estimated total cost of \$4,900 for a 12-page newsletter.

Michael Stephens, APS Director of Finance, provided the following data on newsletter printing costs by APS units in 2007. Thirty-two units have newsletters, most of them electronic only. The eight listed here issue at least one paper newsletter.

Unit	Newsletter Printing Cost in Dollars
FHP	6,329
DNP	5,049
FIP	3,132
SNENG	2,792
FPS	2,569
DFD	1,725
DCMP	1,550
DPF	1,195

Attachment 2: Secretary-Treasurer Report (Tom Miller)

A. An APS travel expense form will be handed out. For Executive Committee members FHP allows coach airfare, two nights in a hotel, and meals and local transportation as given in the APS travel expense instructions. Note that APS requires original receipts (an IRS auditing rule) and they want the receipts taped to 8.5" x 11" paper. Any sharing with home institutions is appreciated (in which case, copies of shared receipts appears to be acceptable).

Last year, mailing the forms first to me and then to APS resulted in inconvenient delays in reimbursement for several persons. This year, we will try a new method: fill out the MS Word expense report and mail it to the APS address (on page 2) with receipts. At the same time, e-mail a copy of the MS Word expense report (or just relevant big numbers like airfare and hotel and total -- not the receipts) to me [millertf@bc.edu] and I will e-mail approval to APS (they require approval).

B. Election. Of 3,928 members, 573 voted in the election (41 with paper ballots), or 14.6%. Last year: 14.8%. Two of the races were quite close. Following the April APS meeting, the Vice-Chair will be Dan Kleppner, and the new at-large members of the Executive Committee will be Bob Arns and Francis Everitt.

A footnote: most of the online voting takes place immediately upon receipt of the e-mail ballot. E-mail reminders yield an additional dozen votes. As for any strategy aimed at increasing the voting percentage: you can interpret the facts as saying that the initial ballot message needs to be more of a hook for action, or you can conclude that we need to nag those who didn't vote initially; or both. (The DAMOP S-T told me that they are at 25%, but I think I can understand a research division having a higher percentage.)

C. Treasury. FHP has maintained a baseline bank balance of about \$21,000 as insurance against colossal disasters or mistakes. Some of this includes a donation for a purpose that has yet to be announced, as I understand. Income each year consists of an allocation from APS dues every January, investment interest on our monthly bank balance, a share of March and April meeting income which depends on the level of FHP participation, and donations (usually earmarked for specific purposes such as the newsletter or named lectures or student travel grants). Expenses are mainly travel to Executive Committee meetings and sorters meetings and the printing and mailing costs of the newsletters, aside from distributing the earmarked donation money to lecturers and students.

Starting in January 2008, the APS is giving more dues money to forums, which means an additional \$2,394 for FHP, which helps our shoestring operation. The new formula for dues money is $\$2,000 + \$5.50 \times (\text{number of FHP members up to 3\% of APS total membership}) + \$3.00 \times (\text{number of FHP members exceeding 3\% of APS total membership})$. For the record, I want to give the old formula: $\$1,000 + \$4.50 \times (\text{number of FHP members up to 3\% of APS total membership}) + \$3.00 \times (\text{number of FHP members exceeding 3\% of APS total membership})$.

members exceeding 3% of APS total membership). As of January 2008, the FHP membership count was 3,928 and the total APS membership was 46,269. FHP is 8.5% of APS.

In the year 2008 we should have travel expenses of \$10,000 (accounting for 2 missing Executive Committee members), newsletter costs of \$11,500 (assuming paper newsletters), \$1,000 Executive Committee lunch, and as much as \$3,500 in support of the Manhattan Project reunion, for total expenses of about \$26,000. Income consists of \$17,250 (dues), \$1,700 investment interest, \$1,800 March and April meeting shares, for a total of \$20,750, not counting donations.

Attachment 3: Principles for Travel Support (Bill Evenson/ Thomas Miller/ Virginia Trimble)

FHP Travel Support: Principles May 13, 2008

The FHP has a very limited budget. The money we get from the APS from dues and meeting participation barely covers Executive Committee costs and the newsletter costs. We have seven principles.

A. Everyone receiving reimbursement of travel expenses is asked first to tap other sources as much as possible, such as the home institution or research grants, because of FHP's very limited resources. Exceptions: the Pais Prize winner and speakers invited to present named/sponsored lectures.

B. Executive Committee members can be reimbursed for coach airfare, airport transportation/parking, two nights in the conference hotel, and meals, for the April Executive Committee meeting. FHP representatives attending the March- and April-meeting sorters meetings will be reimbursed similarly. Other APS gatherings such as a meeting of unit officers usually have expenses covered by APS.

C. FHP does not pay meeting registration fees, and we make this clear in the invitations to speakers. Note: APS does not require meeting registration for those attending only forum sessions because forum sessions are intended to be open to the public. Persons wishing also to attend scientific sessions must pay the registration fees themselves. This also applies to Executive Committee members.

Those attending ONLY forum sessions and not registering for the meeting will not receive name badges that would entitle them to attend other sessions (including those where they might plan to speak).

D. FHP does not pay travel expenses for speakers unless we have donations to cover the costs. Note: See APS policy for travel support of speakers, appended below.

APS has allowed any forum to arrange up to two sponsored/named invited lectures for each of the March and April meetings (example: the Bardeen lecture), for which our officers solicit donations of \$1,200 per invited lecture. Speakers for these sponsored/named talks submit an APS travel expense form with receipts or copies of receipts totaling at least the amount of the invited lecture award. These receipts can be for any travel expenses associated with the meeting, and they are needed to avoid categorizing the award as income for tax purposes. The travel expense form should show as “Balance Due Individual” the total amount of the award (e.g. \$1,200), not the total amount of the receipts. The form should show, for example, “Bardeen Lecture at March Meeting” as “Purpose of Trip”.

Since as a history forum we often invite speakers who are not active physicists, an FHP representative will solicit donations to pay travel expenses (including, for example, one night in the hotel) for the speaker. The session chair should do this while arranging the session, before the invitation is formally sent. These invited speakers submit an itemized APS travel expense form, which gets approved by the secretary-treasurer.

We have also been able to solicit funds for travel grants to students who speak at FHP sessions. These have been \$600 and get paid by check to the students without requiring an APS travel expense form.

E. The Pais Prize winner’s travel expenses are paid from the Pais Prize endowment.

F. FHP does not have budget to support travel of new APS Fellows to the meeting where their certificate is awarded (unless they happen to fall into one of the categories above).

G. Session chairs are not eligible for reimbursement of travel expenses (unless they happen to fall into one of the categories above).

Addendum: APS Policy for Travel Support of Speakers

Policy on Registration Fees

It is the APS policy that invited speakers at the March and April meetings should pay registration fees. The only exceptions to this policy are for APS prize and award recipients, and for those speakers whose areas of expertise are well outside the fields being covered by the meeting (i.e., a historian, a Congressional staff person, a representative of NSF, DOE, etc). Units may offer to pay the registration fees for physicists who are not APS members or for members who live outside the U.S. out of their unit’s funds. Any such commitment must be approved by the unit’s secretary/treasurer before it is made. The secretary/treasurer must then inform the APS Meetings Administrator of this commitment in writing by the invited speaker deadline in order for it to be included in the official written invitation to the speaker. After that deadline, registration fee waivers may still be granted, but the information will not be included in the letter of invitation.

Policy on Travel Grants

Units may offer travel grants to invited speakers in exceptional circumstances. These offers will usually be limited to non-physicists or physicists living outside the U.S. As with registration fees, all travel grants must be approved by the unit's secretary/treasurer before they are made or they will not be honored. To have such an offer included in the official letter of invitation to the speaker, the secretary/treasurer must inform the APS Meetings Administrator in writing of his/her approval prior to the invited speaker deadline. After that deadline, travel grants will still be granted, but the information will not be included in the letter of invitation.

It is the policy of the APS Accounting Department to hand out travel grant checks on-site. For accounting purposes, the APS Accounting Department will require a W-9 Form (or a W-8 for citizens of foreign countries) to be completed by the speaker in advance in order for a speaker to be able to receive a travel grant check on-site. The APS Meetings Administrator will send such speakers the forms in advance.

Attachment 4a: Report on Program Committee, 2007-2008 (David C Cassidy)

In an experiment suggested by Bill Evenson, the Program Committee was split this year into two subcommittees under the overall direction of the chair-elect, D. Cassidy. They are the March subcommittee, chaired by Gloria Lubkin (FHP vice chair) and assisted by George Zimmerman; and the April subcommittee, chaired by D. Cassidy and assisted by Clayton Gearhart. The arrangement worked extremely well, and we have decided to continue it for 08-09. It reduces the work-load on one person so that more time can be devoted to preparing each meeting, and it meets the APS request that program chairs serve in some way for more than one year. Gloria will report separately on the March meeting and future plans. Below is an overview of the April 08 meeting events.

Saturday, April 12

Triumphs of 20th Century Astrophysics. Consecutive sessions, co-sponsored by FHP and DAP. Organizers: Virginia Trimble and Steve Kahn. Chair: R. Cowsik. Reporter: Virginia Trimble.

B6 a. *Observatories and Telescopes*. 4/12, 10:45 - 12:33, Promenade D.

D5 b. *We Master the Stars*. 4/12, 1:30 - 3:18, Promenade C.

E15. Contributed: *Manhattan Project and Beyond*. 4/12, 3:30 - 5:18, St. Louis Room H. Chair: Jeff Dunham. Reporters: D. Cassidy, V. Trimble. Maria Goepfert-Mayer Studentship: Samuel T. Fletcher, Princeton.

Sunday, April 13

Informal breakfast with Manhattan alumni and interested persons (latter at own expense), 8:30. Chestnuts restaurant. Organized by B. Bederson and C. Gearhart.

J3. *Los Alamos and the Manhattan Project: 65th Anniversary*. Co-sponsored by FHP and FPS. Organizers: B. Bederson and C. Gearhart. Chair: B. Bederson. Reporter: Jeff

Dunham. Room: St. Louis E, 4/13, 10:45 - 1:00 (informally extended into lunch break). Audio recording funded by Center for History of Physics.

Informal lunch for Manhattan alumni and interested persons (latter at their own expense), 1:00 . Chestnuts restaurant. Organizers Ben Bederson and Clayton Gearhart

FHP Executive Committee meeting. 4/13, 1:00 - 5:20. Directors Row 23.

N1. *Prize awards and President's address, including Abraham Pais Prize*, 4/13, 5:30 - 7:00. APS President Arthur Bienenstock. Room: Promenade C.

Informal dinner with Gerald Holton. 8:00 - . Chestnuts restaurant. Organized by Paul Halpern.

Monday, April 14

R6. *80 Years of Quantum Mechanics: A New International Project.* Sponsored by FHP. 4/14, 10:45 - 12:33. Organizer: D. Cassidy. Chair: Clayton Gearhart. Reporter: Don Howard. Room: Promenade D

S6. *FPS and FHP Prize Award Session.* 4/14, 1:30 - 4:30. St. Louis H. G. Holton speaking, 1:30 - 2:06. Chair: Lawrence Krauss. Reporter: D. Cassidy.

S5. *50th Anniversary of Physical Review Letters.* Co-sponsored by FHP and DPF. 4/14, 1:30 - 3:18, followed by "Meet the PRL Editors" reception. Promenade C. Chair: R. S. Chivukula. Organizer: Robert Garisto.

T9. Contributed: *History of Physics.* 4/14, 3:30 - 5:18. Promenade E. Chair: Don Howard. Reporter: Don Howard.

U16. *FHP Public Business Meeting.* 4/14, 5:30 - 6:00. Director's Row 29.

Attachment 4b: FHP sessions at the March 2008 meeting in New Orleans (Gloria Lubkin)

As part of the 50th anniversary of Physical Review Letters, we had a session organized by the editors of PRL, held on 11 March. The session was chaired by Reiny Schuhmann, PRL managing editor.

The speakers and their titles were:

Saad Hebboul (Phys. Rev. Letters), "PRL at 50: A history of moving physics forward"

Gene Stanley (Boston University), "Phase transitions and critical phenomena"

Marvin Cohen (Univ. of California, Berkeley), "Condensed matter theory: From models to first principles"

Charles Slichter (Univ. of Illinois, Urbana), "NMR and the BCS Theory"

Jack Sandweiss (Yale Univ. and Phys. Rev. Letters), “The future of scientific publishing”

The session was well attended and people were standing in the back of the room.

On 13 March, the fourth day of the meeting, we had a session on Industrial Physics History, which was organized by Gloria Lubkin and George Zimmerman and chaired by Gloria. Despite being the fourth day of the five-day meeting, about 200 people were in the audience, many of them quite young.

The speakers and their titles were:

Paul Horn (IBM Research, retired, and NYU), “Industrial research at IBM”

James Hollenhorst (Agilent Labs), “Reflections on three corporate research labs: Bell Labs, HP Labs, Agilent Labs”

Robert Frosch (Kennedy School of Government, Harvard), “Application oriented R&D: Aphorisms and anecdotes” (The John Bardeen Lecture)

David Bishop (Bell Labs), “The history of science and technology at Bell Labs”

Robert Doering (Texas Instruments), “50 years of ‘scaling’ Jack Kilby’s invention”

Both invited sessions were audio taped. George Zimmerman plans to make a set of DVDs of both sessions and include the photos and power-point presentations that he obtained from the speakers. In addition, a summary of the invited sessions and the contributed papers is being prepared for the FHP Newsletter.

Three contributed papers were presented 12 March 12 to an audience of 30-40 people. The session chair, George Zimmerman, presented the student awards to Cesar Rodriguez-Rosario and Kavan Modi, graduate students from the University of Texas at Austin who presented posters. The student awards were in memory of Gregor Wentzel and Rolfe Glover. Brief biographies of Wentzel and Glover were included with the \$600 checks.

Attachment 4c: Preliminary ideas for FHP sessions in 2009 (Gloria Lubkin)

The following preliminary ideas have been generated by current Program Committee members:

Gloria Lubkin:

History of research on particle accelerators. The topic was suggested in 2007 by Larry Jones, who is particularly interested in dealing with a history of the Midwestern Universities Research Association. He, Andy Sessler, Fred Mills, Don Young, and Keith Symon have been writing a book on that history. I think a broader session would be quite interesting.

History of imaging in radio astronomy. This idea is indeed quite preliminary, but I came across an article on that subject by Ken Kellermann and Jim Moran that was published in Annual Reviews of Astronomy and Astrophysics in 2001.

Another session on industrial research history. At the March 2008 New Orleans meeting, the Industrial Research History session organized by George Zimmerman and I had about 200 attendees, many of them quite young.

Virginia Trimble:

2009 is, for better or for worse, *International Year of Astronomy* (400th anniversary of first astronomical telescopes—first telescopes per se come a smidge earlier), which would seem to be an April topic

Radio imaging might be a bit specialized (although anything that triggered the following dialog: “How big is a photon?” “As big as it has to be to go in both dishes>” clearly has student appeal!) But a pair of April sessions shared with DAP on how the non-optical bands were opened up might be interesting (and a sensible follow-on to this year’s pair of sessions on history of optical telescopes).

Another *physics in industry* for March sounds like a winner.

George Zimmerman:

Mentors and Dynasties—highlighting particular mentors and the achievement of their students (possibly still alive). Examples might be John Wheatley, John Bardeen, Vernon Hughes, Allan Bromley, Gregory Breit, John Van Vleck, etc.

Influence of immigration on American physics

Pre WWII

Post WWII

Present and near past

Inventions that came out of physical discoveries that changed the way we live

Maxwell

Electric power

Telephone

Broadcasting

Lasers

Internet

Medical

X rays, CAT scans, MRI, PET, etc.

Physicists who received the Nobel Prize in fields other than physics

Attachment 5: Forum Councillor’s Report (Roger Stuewer)

The following APS Council items and actions are germane to the APS Forum on History

of Physics:

Judy Franz announced that she will be stepping down as APS Executive Officer one year from now, at the end of her third five-year term. A Search Committee for her replacement is being formed by APS President Artie Bienenstock; please send suggestions for candidates to him at [arthurb\(at\)stanford.edu](mailto:arthurb(at)stanford.edu). Franz reported the Forum on Graduate Student Affairs (FGSA) now has a sufficient number of members to have a Council representative; the FGSA elected Amber Stuver (Penn State University), who was in attendance. Franz also reported that Elaine S. Ulrich (Arizona State University, Ph.D. expected 2008) has been selected as an APS Congressional Fellow from a strong short list of five candidates.

Alan Chodos, APS Associate Executive Officer, reported on a range of APS outreach activities, including Physics Quest, games directed at middle school students designed to motivate their interest in physics. One such game was based upon the early life of Marie Curie who, because Poland was under Russian rule and the Polish language was forbidden, had to locate secret meeting places in Warsaw to be tutored by physics teachers. Students had to decipher four sequential clues to locate one such site and produce a video depicting their quest. Three students at Rochester Adams High School in Rochester, Michigan, won the Grand Prize. For more information, go to the Physics Central website.

Joe Serene, APS Treasurer/Publisher reported that APS is in good financial shape, with a reserve of about \$104 million. Council voted to amend the APS Constitution to change the title of this position from Treasurer to Treasurer/Publisher to reflect its actual responsibilities. Serene as Publisher reported that the APS journals are in good shape financially.

Burton Richter, Chair of the APS Study Group on Energy Efficiency, who billed himself as “a successful refugee from American Airlines,” noted that the study focuses on two sectors, Buildings and Transportation, and reported that he hopes to get the Group’s report out and reviewed by APS this summer, in time to affect the upcoming presidential campaign. The Group recognizes the need to engage the social sciences, since there are huge cultural barriers to implementing behavioral changes essential for increased energy efficiency in the above two sectors.

Paul Wolf, a member of the APS Audit Committee along with Moses Chan, Arthur Ramirez, and myself, reported on our meeting on March 21 with Michael Stephens, APS Associate Treasurer/Controller, Joe Serene, APS Treasurer/Publisher, and two representatives of BDO Seidman, noting that this auditing firm gave APS an “unqualified clean option.” I point out that the net assets of the Pais Prize grew from \$217,111 on December 31, 2006, to \$220,918 on December 31, 2007, which takes into account a deduction of \$11,391 for the 2007 Pais Prize plus expenses.

Amy Flatten, APS Director of International Affairs, reported on the recommendations of the Department of Commerce’s Deemed Export Advisory Committee (DEAC), the

most general one being that the existing regulations “no longer effectively serves [their] intended purpose and should be replaced with an approach that better reflects the realities of today’s national security needs and global economy.” These regulations pertain to the export of knowledge (including historical and philosophical knowledge), instruments, and the like by non-US citizens who have studied or worked in the US and then return to their home countries. The proposed new regulations involve a seven-step process and will be posted on the Federal Register for comments. Flatten warned the Step 1 calls for a “loyalty assessment” but urged that these dangerous words should not outweigh the many positive aspects of the new process, especially since Step 5 declares that a “determination of fundamental research should foreclose further inquiry,” and that “fundamental research is outside the scope” of the new regulations. Flatten and APS will be monitoring these developments closely.

Ted Hodapp, APS Director of Education and Outreach, reported on a range of present and proposed activities, including (a) a recent Conference on Graduate Education; (b) a Workshop on Gender Equity whose report will be out soon; (c) a new Faculty Workshop proposed to NSF (\$900k, 5 years); and (d) publication of the first issue of *PhysTEC News* (TEC = Teacher Education Coalition). In general, it is clear that Hodapp and APS are moving into education in a substantial way to increase the number of physics teachers in the country and to serve physics education in other ways.

Miles V. Klein, Chair of POPA (Program on Public Affairs), reported on four workshops being sponsored by APS, AAAS, and CSIS (Center for Strategic and International Studies), that have already taken place or will take place soon on “The Role of Nuclear Weapons in 21st Century US National Security.” These are (a) a Technical Workshop, Mike Cornwell, UCLA, Chair, which will be held soon; (b) a Military Workshop, Frank Miller, Chair, which was just held and was very successful; (c) an International Workshop, Former Congressman and now Harvard faculty member Jim Leach, Chair, which will be held soon; and (d) a Summarizing Workshop, to prepare a report by early summer in time to affect the presidential campaign.

Gene Sprouse, APS Editor-In-Chief, reported that APS and Harvard University are in negotiation regarding copyright in response to Harvard’s recent decision to have all publications by Harvard faculty members open access on the web. He will report to Council on any resolution of this matter. He also reported that (a) 534 people have been selected as “Outstanding Referees for 2008” from many countries of the world; each will receive a pin and citation; (b) “Physical Review Select” (review articles of recent papers by distinguished physicists) is well underway; and (c) Martin Blume has agreed to serve as editor of “Milestone” papers that were published in *Physical Review Letters* during the past fifty years.

Michael Lubell, APS Director of Public Affairs, assessed the probability that Congress will pass a Supplemental budget to offset the severe budget cuts for science,

and for physics in particular, at less than 50% at present, up from less than 1% at the end of December. He was “cautiously optimistic” about the entire situation.

Artie Bienenstock, APS President, established two task forces: (a) to study the Ridge space-shortage problem and means of solving it, James I. Vary (Iowa State), Chair; and (b) to study comprehensively the APS journals’ pricing policy, Thomas Glasmacher (Michigan State), Chair. He also established two committees: (a) to review the report of the Energy Efficiency Study Group; and (a) a Search Committee for the APS Executive Officer, as noted above.

APS Council passed three motions: (a) to amend the APS Bylaws (first vote, second vote to follow) on the “Representations” paragraph in Nominations and Elections to achieve “balance” in the *results of elections* instead of in the *slates of candidates*; (b) to approve the formation of a new APS Section, the Prairie Section, for members residing in Illinois, Iowa, Minnesota, Missouri, Wisconsin, and Indiana; and (c) to change the status of the APS Historic Sites Committee from an ad hoc Committee to a Standing Committee. In this connection, I made a motion, which Judy Franz seconded, and which passed unanimously, as follows: “I MOVE that Council expresses its thanks and appreciation to John Rigden for his outstanding leadership as Chair of the Historic Sites Committee since its creation in 2004.”

Attachment 6a: Abraham Pais Prize Selection Criteria (Roger Stuewer)

From <http://www.aps.org/programs/honors/prizes/pais.cfm>

Rules & Eligibility

Outstanding scholarly achievements are reflected primarily in the publication of one or more scholarly books or a series of scholarly articles on any topic or chronological period in the history of physics. These can include significant editions of works of physicists that display outstanding editorial scholarship; other edited books or collections of previously published articles will be considered but given less weight. Further outstanding professional achievements such as teaching, lecturing, editing of journals, organization of conferences, and productions on the Web or in other electronic media may be considered if they have contributed significantly to fostering excellence in the history of physics. The Award usually is given to a single person but to no more than three individuals. It is granted without restriction. It is open to scholars of all nationalities; membership in a scholarly or professional society is not required. Nominations will remain active for three years. Selection Committee members and current FHP Executive Committee members are not eligible for the Award.

Selection Procedure:

The FHP Chair will recommend to the APS President individuals who will serve on a five-member Selection Committee with staggered terms. AIP will be represented on the Selection Committee by one member whose name has been previously recommended by the AIP Executive Director. After approval by the APS President, the Selection

Committee will recommend an Awardee to the FHP Executive Committee, which must approve the Awardee by a two-thirds vote; otherwise the recommendation will be returned to the Selection Committee. After approval by the FHP Executive Committee, the FHP Chair will propose the Awardee to the APS Executive Board for its approval. If the APS Executive Board does not approve the Awardee, it will communicate the reasons for this decision to the Selection Committee for further consideration.

Attachment 6b: Abraham Pais Prize for the History of Physics Selection Committee Rules (Roger Stuewer)

The charge of the Selection Committee is to recommend a recipient of the Prize to the FHP Executive Committee along with “an appropriate citation, biographical information, and all information relevant to the recipient” (see Alan Chodos’s letter of February 4, 2005). Further, “The Prize usually is given to a single person but to no more than three individuals” (see Selection Criteria). Finally, when a “conflict of interest involves someone who is recommended” by the Selection Committee, its Chair “must include in its report ... a detailed account of the nature of the conflict and how the committee chose to deal with it. In particular, the committee must show that the conflict influenced neither the vote of the committee nor the deliberations leading up to the vote” (see APS Conflict of Interest Guidelines).

To carry out this charge, as Chair of the first Selection Committee (for the 2005 Prize) I propose to implement the following Rules, which are intended as precedents to be followed by future Selection Committees. These Rules supplement and do not replace the APS Selection Procedure, Selection Criteria, and Selection Committee Protocols.

1. All communications among members of the Selection Committee, whether verbal, written, or e-mail, are strictly confidential.

Discussion: This Rule is of paramount importance, because no one outside of the Selection Committee can be permitted to influence the Selection Committee’s recommendation of the recipient (or recipients) in any way, or to second-guess its recommendation. This strict confidentiality thus extends not only to the names of the nominees, but also to the number of nominees the Selection Committee considers for the Prize. The only exception to this Rule is that the AIP representative on the Selection Committee is encouraged to inform the AIP CEO of the name of the recommended recipient (or recipients) after approval by the FHP Executive Committee to enable the AIP CEO to report any deleterious information the AIP CEO might possess on the recommended recipient (or recipients) to the Selection Committee for its consideration and possible transmission to the APS Executive Board before it reaches its decision on the conferring of the Prize.

2. All questions or inquiries from people outside of the Selection Committee must be referred to the Chair of the Selection Committee.

Discussion: This Rule is vital to the integrity of the selection process. Thus, if any member of the Selection Committee apart from the Chair receives questions or inquiries, he or she must respond by saying something like, “I’m sorry, but I’m not authorized to answer your question (or respond to your inquiry). Please address your question (or inquiry) to the Chair of the Selection Committee.” The Chair, in turn, then must decline to answer such questions or respond to such inquiries.

3. The Selection Committee shall strive to achieve unanimity on its recommendation of the recipient (or recipients) for each year, but failing that, a vote on a nominee that is passed by a majority of the Selection Committee members shall constitute the Selection Committee’s approval of its recommendation of the recipient (or recipients).

Discussion: This Rule is necessary to prevent possible deadlock among members of the Selection Committee.

4. As required by the Selection Procedure, the Chair of the Selection Committee shall present only the name (or names) of the recommended recipient (or recipients), together with the required supporting documentation, to the FHP Executive Committee for its consideration and vote.

Discussion: This Rule is essential, because it requires the FHP Executive Committee to take an up or down (Yes or No) vote on the Selection Committee’s recommendation of the recipient (or recipients). The FHP Executive Committee cannot be allowed to second-guess the Selection Committee’s recommendation; it must only be allowed to vote to approve or disapprove it. This Rule thus is a corollary to Rule 1 on the strict confidentiality of the Selection Committee’s communications, including the names and number of the nominees considered. The only exception to Rule 4 that might arise is if the Chair of the Selection Committee has to reveal some part of the Selection Committee’s discussions, including possibly the name (or names) of a certain nominee (or nominees), to the FHP Executive Committee, and hence also to the APS Executive Board, to show how the Selection Committee dealt with possible conflicts of interest regarding that nominee (or nominees).

5. After the Selection Committee’s recommendation of the recipient (or recipients) has been approved both by the FHP Executive Committee and by the APS Executive Board (see Selection Procedure), the Chair of the Selection Committee shall inform the nominator of each of the unsuccessful nominees for the Prize that his or her nominee has not been recommended for the Prize for the year in question but that the nominee’s dossier will remain active for three consecutive cycles, unless the nominator withdraws his or her nominee from consideration, before a completely new and updated nomination package would be required for the nominee to continue to be considered.

Discussion: This Rule complies with the Guidelines for Nominations. In keeping with Rule 1, the Chair must not reveal to any nominator the names or number of the other nominees for the Prize. If the dossier of a nominee is incomplete in the year that the

nominee is first considered, then the Chair shall so inform the nominator, in which case, if he or she sees to it that the dossier is subsequently completed, the nominee shall not fall under the “three-year restriction,” because the Selection Committee disqualified the nominee and thus did not consider the nominee for the Prize in the year in question.

6. After the Selection Committee has completed its work, the dossiers of the nominees shall be returned to the Chair of the Selection Committee.

Discussion: This Rule is a corollary to Rule 1 on the strict confidentiality of the Selection Committee’s communications, and it also allows the Chair of the Selection Committee to preserve them for the remaining period of eligibility of the candidates, or to destroy them if the period of eligibility has expired.

Roger H. Stuewer
June 12, 2004

Attachment 7: 2008 APS Unit Convocation (Bill Evenson)

Representatives of APS units met at APS headquarters in College Park, MD, on February 23, 2008. Attending for FHP were Bill Evenson, Gloria Lubkin, and Tom Miller. After a general morning session, we each attended specialized sessions, e.g., a meeting with Michael Stephens on unit finances, and a meeting of forum officers. A summary follows.

A. Alan Chodos, Associate Executive Officer, talked about physics outreach. He recommended that we all look at the Physics Central web site regularly and make use of the frequently updated materials there (<http://www.physicscentral.com/>).

B. Amy Flatten, Director of International Affairs, reported on travel grants and lectureships, journal access in developing countries, and matching memberships in developing countries. I asked her to visit the Executive Committee meeting in April for a short report.

C. Judy Franz, Executive Officer, asked us to pay particular attention to including women and minorities as session chairs, officers, and APS Fellows. Child Care Grants are available to assist women to attend national meetings.

D. Trish Lettieri, Director of Membership, suggested that each unit appoint a unit membership coordinator who would be the sole unit contact with the APS Membership Department -- primary contact there is Jennifer Pirnat.

The membership statistics passed out at the meeting (<http://aps.org/membership/units/upload/Unit-Demographics-2008.pdf>) showed that FHP has more than 1,000 student members. I have requested a list of these to better understand who they are and where they come from.

We need to add to our web site a link to the "Add a Unit Online" address:
<http://www.aps.org/membership/services/index.cfm> .

E. The online handbook for unit officers can be found at
<http://aps.org/membership/units/handbook/index.cfm> .

F. At the meeting of forum officers, chaired by Herman Winick, several persons proposed to ask the APS Council to allow APS members to sign up for more than two forums, at no cost. Winick's summary of the discussions is given below, followed by the response I sent about the proposal — after hearing back from some FHP Executive Committee members.

To: Chairs of APS Forums Feb. 23, 2008
From: Herman Winick, Past Chair, FIP
Subject: Raising the number of Forums that APS members can join at no cost?

At the APS Unit Convocation on Feb. 23, 2008 at APS headquarters in College Park MD there was a group meeting of APS forum leaders which included representatives of all the forums except Industrial and Applied Physics. At this group meeting we discussed a suggestion to modify the present rules about forum membership. As you know, APS members can now choose to join up to two forums at no cost beyond their regular membership dues. They can join additional forums at a cost of \$7 each. We discussed a suggestion that this be changed in one of the following ways:

- (a) increase the number of forums that can be joined at no additional cost, say to three or four
- (b) make membership in forums free independent of the number a member chooses to join

The benefit of doing this would be that more APS members would voluntarily join forums. They would receive the newsletters and mailings to forum members, and have the opportunity to participate in any of the activities of those forums that they joined (voting, planning sessions, fellowship nominations, etc). Adopting this suggestion does not necessarily mean that the funds provided to forums by APS should increase. APS could change the formula for allocating funds to forums to keep these costs under control, even as membership increases.

I was asked to send this suggestion to the forum chairs with a request that they get reaction from their respective executive committees. Please get back to me after you have done this, ideally with a simple YES or NO to (a) and (b). You can vote YES to both, NO to both, or any combination. If this is too simplistic then send your comments. Please copy all on this distribution.

Judy Franz is aware of our discussion and I am copying her on this note.

For reference, APS forums are listed below, along with statistics on their membership since 2004. This data is available on the APS website at <http://www.aps.org/membership/units/upload/Yearly-Unit-Chart08.pdf>

Forums:

- Education (FEEd)
- Graduate Student Affairs (FGSA)
- History of Physics (FHP)
- Industrial and Applied Physics (FIAP)
- International Physics (FIP)
- Physics and Society (FPS)

FORUMS	2004	2005	2006	2007	2008	2004	2005	2006	2007	2008
Education	4,087	4,214	4,421	4,598	4,646	9.45%	9.70%	9.71%	9.93%	10.04%
Grad Stu Affairs	1,128	1,827	2,426	2,865	3,343	2.61%	4.20%	5.33%	6.19%	7.23%
History	3,141	3,389	3,725	3,854	3,928	7.26%	7.80%	8.18%	8.33%	8.49%
Indust & Applied	5,431	5,792	6,364	6,644	6,740	12.55%	13.33%	13.98%	14.35%	14.57%
International	2,588	2,853	3,246	3,437	3,608	5.98%	6.56%	7.13%	7.42%	7.80%
Physics & Society	4,624	4,845	5,311	5,548	5,805	10.69%	11.15%	11.67%	11.98%	12.55%

Dear Herman and other Forum Colleagues,

I circulated this proposal to the FHP Executive Committee for comment and found some concerns:

- a) We do not want to make any change that removes the incentive for forums to solicit new members. Right now there is a financial incentive to do this, and we think that strengthens both the forum and APS.
- b) We are concerned about financial unpredictability associated with such a policy change. We have a very tight budget, in fact are facing hard choices for the future, and we need to be able to plan on future funding.
- c) We are also concerned that the new policy could encourage the addition of members for whom the forum activities are only low priority among the things APS does. We're not sure that adding many minimally-committed members will be good for the forums — in terms of actual commitment, we are pretty dilute already.
- d) Is such a change really needed, i.e., will it strengthen APS and the forums? The current policy of two free seems a very good compromise.
- e) We do favor the related proposal not to count FGSA in the two free forums — allow two free plus FGSA.

Cheers, Bill Evenson, FHP Chair

Attachment 8: Fellowship Committee Report (David Cassidy)

The Fellowship Committee consisted of the following members: Gloria Lubkin (Chair), D. Cassidy (Interim Chair), Noemie Benczer-Koller, and Gordon Kane.

Three nominations were received. After votes of the FHP Fellowship Committee, the FHP Executive Committee, the APS Fellowship Committee, and the APS Council (with appropriate recusals), Robert Crease and Don Howard were named APS Fellows. One other nomination was deferred until 2008. Information on Profs. Crease and Howard follows.

Robert P. Crease, professor and chair of the Department of Philosophy, State University of New York at Stony Brook. His citation reads: "For his extensive historical writings on physics, including *The Second Creation; Making Physics: A Biography of Brookhaven National Laboratory*; and his completion of Robert Serber's memoirs and Abraham Pais' biography of J. Robert Oppenheimer."

Don Howard, professor in the Department of Philosophy, University of Notre Dame, and director of its Program in History and Philosophy of Science. His citation reads: "For his ground-breaking studies of the interplay between physics and philosophy of science in the 20th century, especially in connection with the work of Einstein and Bohr, and for organizing conference series and editing book series fostering the dialogue among physicists, philosophers, and historians of science."

Attachment 9: Report on Departmental Histories Initiative, April 2008 (David Jackson)

A. The response to the call for physics departments to initiate or update histories of their departments in the January 2007 APS News has been meager so far. A small initial flurry, reported last year, was just that. Of course, it may be that departmental scribes are at work all over the country; a flood of new histories will soon (or not so soon) begin to arrive. As Spencer Weart reports in an e-mail message:

"Since January 2007 the Niels Bohr Library has received the following:

- (a) Fragments of a history of the early years of the Institute for Astronomy, University of Hawaii (John Jefferies)
- (b) Booklets on the history of the Hopkins Observatory at Williams College (from Jay Pasachoff)
- (c) 1937 to 2007: seventy years of nuclear physics at Notre Dame (from Michael Wiescher)
- (d) Dirac and Heisenberg in Hawaii, by San Fu Tuan (discusses the U of Hawaii dept. of physics)

"We don't know which may have been in response to the Forum's call. And if some department was inspired to set somebody to writing their history I wouldn't be surprised if it is still to come (we have had responses to our calls for one thing or another arrive as much as twenty years after!). My feeling is that such calls never produce a big response but always, as appears to be the case here, bring in at least a few items. I believe that publicity like this is most valuable simply for reminding people that we exist and are seeking such things; over the long run the cumulative weight results in items being created or saved, and sent to us, that otherwise would not be preserved. So we very much appreciate the Forum's attention."

B. A renewed call appeared in the Spring 2008 FHP Newsletter, with examples of NBL holdings from Cornell and Michigan (p. 5-6).

C. An attempt is being made to reach Chairpersons directly by asking Judy Franz to circulate a flyer (See overleaf) at the AAPT/APS's annual meeting of Departmental Chairs, June 6-8.

D. Continued effort. Since this is my last meeting on the Exec Comm, this body needs to address the issue of a new "keeper of this flame," i.e., whether such a keeper is needed and, if so, who?

DEPARTMENTAL HISTORIES - A call from the APS Forum on History of Physics

The Forum on History of Physics renews its call from the January 2007 *APS News* to every Physics Department to help preserve its history and accomplishments by updating an existing history or preparing a new one. The histories should be deposited with the Niels Bohr Library and registered with the Forum's new Register of Departmental Histories and Records.

A coherent historical account may be supplemented by more specialized documents and records such as annual faculty lists and course descriptions from university catalogs. Examples of the diversity of materials already on hand at the AIP are the informal and likely incomplete listings found in the Niels Bohr Library catalog for Cornell University and the University of Michigan:

Cornell

Seventy years of physics at Cornell, 1958. by *Howe, Harley Earl, 1882-1965.*

The Cornell Physics Department--recollections and a history of sorts, 1984.

by *Hartman, Paul, 1913-*

Pages from faculty listing of the Cornell University Department of Physics, 1910-1940.

by *Cornell University*

Michigan

The University of Michigan Department of Physics, 1843-1944, 1944. by *Meyer, Charles*

F. (Charles Ferdinand), . 1887.

Physics and the [University of Michigan] Department of Physics since 1900--
Definitions

and Reflections, 1967. by *Dennison, David Mathias, 1900-*
On the history of physics at Michigan: Nuclear physics, 1986. by *Parkinson, W. C.*
(William Charles), 1918-
Pages from catalogs listing faculty of physics department, 1910-1940. by
University of Michigan. Dept. of Physics.
Catalogs listing courses in physics and staff of the University of Michigan
Department of
Physics, 1925-1941. by *University of Michigan.*
Copies of physics and chemistry examinations, 1896-1901. by *University of Michigan.*
A directory of research in the Physics Department of the University of Michigan,
1962.
by *University of Michigan. Dept. of Physics.*
The Michigan Symposium on Theoretical Physics, ca. 1961. by *Goudsmit, Samuel Abraham, 1902-*

Note, however, that the most recent of these items are over 20 years old and most are much older.

If an up-to-date historical record is not on file at the Niels Bohr Library, the Forum urges a Department to prepare or update a history of its department and/or research laboratories and to send a copy, in whatever form, to the Niels Bohr Library, in care of Dr. Spencer Weart, AIP Center for History of Physics, One Physics Ellipse, College Park MD 20740 (sweart(at)aip.org). Placing historical documents on the departmental web site would also give increased access to all. Separately the Forum has established a Register of Departmental Histories and Records to be published periodically in the FHP Newsletter and on the Forum's web site. Register entries should be standard bibliographic citations with indications of availability in institutional or departmental libraries, through web links, and, we hope, the Bohr. This will provide another tool for finding information about past activities in physics research and education as a starting point for more focused searches. Please send Register entries for existing histories and other materials and new ones, as they are produced, to J. D. Jackson, 50A5104 Lawrence Berkeley National Laboratory, Berkeley CA 94720 (jackson(at)lbl.gov). The materials themselves should be sent to the Niels Bohr Library.

Attachment 10: Debriefing by Outgoing Past Chair, April 2008 (Virginia Trimble)

A. WYP Speakers' Bureau. FHP co-operated this with TGG from mid 2004 to late 2006 (toward the end as Las Cumbres Speakers' Bureau). This I think was a reasonable success (and it could probably be revived for International Year of Astronomy in 2008, though probably not with FHP involvement). The primary goal was to reach 4-year colleges and persuade their graduates to stay in physics/science by "sharing the excitement." Something like 150 visits took place (some to 2-year colleges, community

groups, universities, as well as 4-year colleges, and we did manage to reach at least a few historically black and heavily hispanic places). APS initially put in \$2000 (pried loose by former S-T Lustig); I donated one or two honoraria from places that still reward people that way; and Las Cumbres Observatory and its director Wayne Rosing gave us \$25,000. The money provided support for a part-time person to run the website and set up visits, and modest travel expenses for speakers going to truly impoverished institutions. Speakers came from FHP (often on Einstein topics), TGG (often on relativity and cosmology), DAP (black holes, quasars, and all), and general assortment of Richard Price's and my friends and relations.

B. "Retirement packages". CHP really does want a minimal set of information (CV, list of publications, a picture or two, newspaper clippings, sound tapes from retirement symposia, etc.) from physicists who are retiring from research labs, universities, 4-year colleges, and any place else that employs APS members. It took a while to persuade FHP committee that this was true, and the number of packages sent has so far been modest. Some one needs to take this over and publicize what is wanted for it to happen.

C. Named lectureships. We are now allowed 2 of these per meeting (first ones were in 2005, to help deal with the Einstein year deficit). The idea is to support travel by speakers who are really wanted by the program committee and couldn't afford to come otherwise (retired, overseas, not located in physics departments...). Amount is currently \$1200; for the future this can be changed by whoever is bringing in the donations.

D. Studentships. This program was actually invented by John Bardeen's children, who didn't like any of the speakers on offer for 2005 after they had already sent money (and RHRomer generously came in with a donation for a Robert Dicke Lecture to make up for it), and said we should use the money for student participation in meetings. There have been 1-4 supported students at each meeting from March 2005 to the present. The current amount is \$600 (the idea is that it should be enough to make a difference). We have one donor in reserve (Gaurang Yodh, who would probably ask that his be called Enrico Fermi students), and I will cover "replacements," Gregor Wentzel and Rolfe Glover students for March 2008. We can have as many of these as there are students wanting them and money to support them.

Attachment 11: APS International Affairs Opportunities (Amy Flatten)

Here follows excerpts from information presented by Amy Flatten – see her website at <http://www.aps.org/programs/international/>.

Travel Grant Award Program

Outreach to Units - Travel Support for Research with Developing Country Colleagues! Supports international scientific collaborations between APS members (from participating units) and physicists in developing countries. Up to \$2000 for travel and lodging expenses for international travel while visiting a collaborator. Program is

growing! Working with other APS Units and other international organizations to build up the program (FIP, DNP, DPF, DPP, OPB, IUPAP/USLC, Others?).

Beller & Marshak Lectureships

Outreach to Units - Support for Speakers! Endowments - to support travel of foreign physicists invited by APS units to speak at the annual APS meetings. CISA - seeking nominations in your unit's area of interest: (a) Beller Lectureships (2 annually) eminent physicists at each March (two) and April APS Meetings; (b) Marshak Lectureship, a physicist from a developing country or Eastern Europe to speak at either an APS March or April Annual Meeting. Travel Funds - \$2000 maximum for each award and recognition in meeting materials. Call for Nominations - each Summer/Fall.

Journal Access in Developing Countries

International Outreach - Help Colleagues Connect! CISA announces availability of free online journals for institutions in Sub-Saharan Africa. Not-for-profit institutions in eligible countries can register to gain online access to APS journals. Offered through International Network for the Availability of Scientific Publications. INTAF will help you "spread the word" to your colleagues - FAQs, access info, eligible countries - www.aps.org/programs/international/.

Free APS Membership

Developing Country Physicists Outreach Opportunity - Matching Membership Program! Lack of national or regional physics organizations and a financial hardship from even reduced rate fees for APS membership, often created barriers to linking with developed world colleagues. This past year the Society revised its Matching Membership Program. Physicists from eligible countries may apply for full APS support for membership fees. Includes most regular membership benefits, as well as APS News and Physics Today.

Travel Grant Award Program

... AND...Speaking of Working Together! Invite Forum on the History of Physics to participate in Travel Grant Program. Members eligible to apply for grants. Invited to serve on grant review committee (not required). Other units participating:

- Forum on International Physics
- Division of Nuclear Physics
- Division of Particles and Fields
- Division of Physics of Beams
- Division of Plasma Physics

Attachment 12: 2008-2009 Committee Membership (David Cassidy)

Executive Committee

David Cassidy	Chair	chmdcc(at)optonline.net
Gloria Lubkin	Chair-Elect	glubkin(at)aip.org
Daniel Kleppner	Vice-Chair	kleppner(at)mit.edu
Tom Miller	Secretary-Treasurer	millertf(at)bc.edu

Francis Everitt	Member-at-large	francis(at)relgyro.stanford.edu
Robert Arns	Member-at-large	robert.arns(at)uvm.edu
Paul Halpern	Member-at-large	p.halper(at)usip.edu
Peter Pesic	Member-at-large	peter.pesic(at)sjcsf.edu
George Zimmerman	Member-at-large	goz(at)bu.edu
Gordon Kane	Member-at-large	gkane(at)umich.edu
Bill Evenson	Past Chair	bill(at)evenson.ch
Roger Stuewer	Councillor	rstuewer(at)phys.umn.edu
Spencer Weart	CHP	sweart(at)aip.org
Michael Riordan	Editor	mriordan(at)ucsc.edu

Program Committee

Gloria Lubkin	Chair	glubkin(at)aip.org
Dan Kleppner	Vice-Chair	kleppner(at)mit.edu
Francis Everitt		francis(at)relgyro.stanford.edu
George Zimmerman		goz(at)bu.edu
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Minutes of the annual FHP business meeting, April 14, 2008

The meeting was called to order at 5:30 by Forum Chair Bill Evenson. Fourteen FHP members were in attendance.

Evenson gave a summary of the reports and discussions from the Executive Committee meeting. Evenson announced the new APS Fellows awarded through FHP, and introduced and congratulated Don Howard. Roger Stuewer summarized the results of the recent APS Council meeting and mentioned that the Historic Sites Committee is now permanent, extending thanks and congratulations to John Rigden for his excellent work on that committee.

There was brief discussion of other business items, after which the meeting was adjourned at about 6:00.