DPS Members Meeting

October 2010
Members Meeting Agenda

10:30  Opening remarks, in Memoriam – Candy Hansen
10:35  Secretary’s report – John Spencer
10:40  Treasurer’s report – Diana Blaney
10:45  Survey intro – Candy
10:47  Results of survey – Anne Verbiscer
11:00  New professional subcommittee – Rachel Mastrapa
11:05  Federal relations subcommittee report – Amy Lovell
11:10  EPO Report – Nick Schneider
11:15  Press Officer report – Sanjay Limaye
11:20  Icarus report – Phil Nicholson
11:30  Nominating committee member election
11:35  2010 LOC report – Amanda Hendrix
11:40  2011 Meeting in Nantes – Olivier Grasset
11:50  2012 Meeting options – Candy
12:00  Recognition of outgoing and incoming Committee members – Candy
12:10  Incoming chair remarks – Melissa McGrath

Extended future meeting discussion – can go until 1:25pm
  Future meetings’ process, part 1 – Candy
  Meeting budgets – Diana
  Future meetings’ process, part 2 – Melissa
  Open discussion - all
Opening Remarks

Welcome to the 42\textsuperscript{nd} DPS members meeting!

The conference is going well in this beautiful new facility

• Thank you to Amanda Hendrix, Kevin Baines, and the Pasadena LOC

• Thank you to the AAS staff

• Thank you to our sponsors: NASA, JPL, APL, Ball Aerospace, Lockheed Martin, Northrup Grumman, SWRI, Planetary Science Institute
Opening Remarks (cont.)

• Last year Jonathan’s Lunine’s leadership brought the DPS back from the brink of financial disaster
  – We had a very successful meeting in Puerto Rico
    • Thanks to Mike Nolan and Ellen Howell
  – That brought us back into the black
• This year we have been able to return to more normal DPS business, although finances continue to color all our decisions
• Meetings are our top priority and the committee has spent a lot of time working on the process
  – Concern about issues with AAS
  – Two-pronged approach to solving problem
    • Candy - fix communication problems with AAS
    • Melissa - work on alternatives
    • Both will report towards the end of meeting, then we will continue with open discussion through the lunch hour
Opening Remarks (cont.)

Key achievements this year:

• Professional development subcommittee formed
  – Initial focus on early career scientists

• More emphasis on student activities
  – Held first-ever student pizza reception (thanks to Sona, Laura and Kelsi)

• 2010 Member Survey
  – Previous surveys were in 1995 and 2005
  – Data will be available on the web next week
  – Next task will be to write report

• Campaign to restart domestic Pu238 production
  – Material on DPS website
In Memoriam

- Floyd Herbert
- Antoine Dollfus
DPS Secretary’s Report

John Spencer

October 7th 2010
• Current active membership: 1415
  – Non-US fraction 20%
• Last year same time: 1472
• Reduction due to improvements in way AAS handles membership
  – Some apparent DPS memberships were “stale”- people had not paid DPS dues for a while but had not been removed from the rolls.
• Non-paying emeritus members were also removed by mistake in March 2010 – the problem was discovered and corrected in June 2010
DPS Treasurer Report

Topics
- DPS Status
- Current Budget
- Hartmann Winners
- 2010 Budget to date
- Meeting Costs Will Be Discussed in a Separate Presentations Later
Background on DPS Finances

• DPS assets are maintained in 3 places. All accounts are overseen by AAS.
  – AAS (includes separate EO, Prize funds, Hartmann fund, Jonathan Eberhart fund)—overseen by AAS and audited annually.
  – Division checking account—managed by DPS Treasurer at Suntrust bank
  – LOC account—usually managed by LOC chair
    • No 2010 LOC Account

• DPS accounts are invested in a diversified portfolio aimed balancing growth and preservation of capital by a professional investment manager with oversight from the AAS Investment Advisory Committee.

• DPS gets income from the following sources
  – Dues (~$22 K. Even though it comes in mostly at specific times, It is deposited into the accounts monthly ~$1.9K)
  – Investment
  – Meetings
# Budget Summary as of 10/1/10

<table>
<thead>
<tr>
<th></th>
<th>10/1/10</th>
<th>12/31/09</th>
<th>12/31/08</th>
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<tbody>
<tr>
<td>Division EO (minus Pasadena related income and expenses)</td>
<td>$210,873</td>
<td>$168,433</td>
<td>$6,293</td>
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<tr>
<td>DPS Prizes</td>
<td>$56,281</td>
<td>$60,944</td>
<td>$58,088</td>
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<td>DPS Hartmann Fund</td>
<td>$36,052</td>
<td>$37,958</td>
<td>$37,387</td>
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<td>J. Eberhart Fund</td>
<td>$53,866</td>
<td>$55,509</td>
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<td><strong>Total</strong></td>
<td><strong>$357,072</strong></td>
<td><strong>$322,844</strong></td>
<td><strong>$150,970</strong></td>
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- $21,853 from dues in 2009
- $40,590 in interest and distributed Market income in 2009.
- $144 K profit from the Fajardo meeting

This is what we have to buffer any unexpected losses.
2009 Contributions

- Carbon Neutrality $1110.
- Hartmann $2110
- Urey/Kuiper $290
- Sagan Medal $160
- Masursky Award $30
- Eberhart Fund $20
2010 Travel Grant Recipients

- Laurene Beauvalet
- Stephanie Capen
- Bobby Fleshman
- Julien Frouard
- Lena Le Roy
- Lucie Maquet
- David Polishook
- Sarah Rastegar
- Marcell Tessenyi
- Christian Vitense
## DPS Committee Budget

<table>
<thead>
<tr>
<th></th>
<th>2007 Actual</th>
<th>2008 Actual</th>
<th>2009 Actual</th>
<th>2010 Proposed</th>
<th>2010 Actual to Date</th>
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<td>Officers</td>
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<td>115</td>
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<td>16,000</td>
<td>2,500</td>
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<td>40</td>
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<td>Federal Relations Subcommittee</td>
<td>3088</td>
<td>Included in Mid Term Meeting</td>
<td>0</td>
<td>1200</td>
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<td>Icarus Archive</td>
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<td>0</td>
<td>0</td>
<td>0</td>
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<td>Prizes + Travel Grants</td>
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<td>6,535</td>
<td>7,300</td>
<td>8000</td>
<td>7930</td>
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<td><strong>Total</strong></td>
<td><strong>23,454</strong></td>
<td><strong>23,675</strong></td>
<td><strong>9,915</strong></td>
<td><strong>13,600</strong></td>
<td><strong>11,782</strong></td>
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Survey Introduction

New polling process: Doodle
- Used doodle to query membership about duration posters are up
  - 2 days is ok
- Used results to reduce costs at Nantes meeting, increase number of potential future venues
- Repeated question on the survey to test the validity of the doodle results – it works!

Survey
- Will do this every 5 years
- Three specific goals:
  - Maintain demographic record -> legacy questions
  - Assess career trajectories
  - Keep our pulse on the society’s goals and members’ priorities
DPS Professional Development Subcommittee

• Determine the professional development needs unique to our community.
• Provide professional development events for the membership.
• Encourage networking within the community.
• Build and maintain an information resource center.
• Strive for an inclusive community.

• Rachel.M.Mastrapa@nasa.gov
• http://dps.aas.org/development/

Rachel Mastrapa
Nadine Barlow
Amy Lovell
Kelsi Singer
Laura Woodney
Majd Mayasi
Jason Barnes
Federal Relations Subcommittee

Among other duties:
The DPS Federal Relations Subcommittee (FRS) keeps the DPS membership aware of the status of the federal budget as it relates to solar system research and facilitates efforts by the membership to express their opinions to the government in a targeted and efficient manner.
Plutonium-238 (Pu-238) is needed for Solar system exploration

- Pu-238 has been used for electrical power on 26 spacecraft in the past
- Pu-238, with an 88-year half-life and high energy yield, is the only viable isotope for spacecraft applications
- No Pu-238 has been manufactured since the 80s and stores (US and Russia) are running out
- ALL REMAINING Pu-238 IS ALREADY ALLOCATED TO SPECIFIC MISSIONS
Restarting domestic Pu-238 production

• Appropriations for NASA/DOE funding has been requested ($15M each agency)
• NASA appropriation is proceeding
• DOE appropriation was removed from budget

• Even starting now means no new Plutonium until at least 2015!
Pu-238 Production in 3 Steps
(Red need modifications to re-establish)

• Production of Targets (Np-237)
  – Np-237 exists in sufficient quantity

• Target irradiation in a reactor (3-12 months)
  – Research reactors (@Oak Ridge & Idaho Natl Lab)
    – Cooling time (~2 yr) for decay of impurities

• Chemical extraction of Pu-238
Plan: 1.5 kg/year after 2015

- Advanced Stirling Radioisotope Generators (ASRGs) will use less Pu-238 BUT have not been flight-tested
- Some stores may be purchased from Russia if an agreement is reached (3-4 year timescale)
- Budget is already operating in a Continuing Resolution (another expected after election)
- THERE IS TIME TO ACT!!!
DPS Membership Action

THIS YEAR’s $30M is to get things started, we need continued advocacy on this issue

We’ll be asking individuals to contact Senators and Representatives (for this and maybe other issues)

We provide you essential facts for informed contact and potential script, you communicate with your rep/Senator
Membership/Representation

- DOE approps contact states: ND, WV, WA, CA, SD, LA, RI, NJ, IA, MT, UT, MS, KY, MO, TX, AL, TN, OH
- NASA approps contact states: TN, KS, ND, CA, NH, TX, HI, WI, NJ, VT, KY, MD, AK, NE, AR, RI, AL, OH
- We may need members to contact outside their own districts, but preserving at least a state connection
- We have better relationships (and reception) from this side
Education & Public Outreach

Nick Schneider
E/PO Officer
E/PO Subcommittee Members & Roles

• Nick Schneider, E/PO officer & “DPS Discoveries”
• Alice Wesson, 2010 Pasadena Meeting E/PO Lead
• Olivier Grasset, 2011 Nantes Meeting E/PO Lead
• Lou Mayo, Coordination & Promotion of E/PO Sessions
• Padma Yanamandra-Fisher, “Year of the Solar System” coord.
• Brian Jackson, Planetary Grad Program clearinghouse
• TBD, E/PO funding source clearinghouse
• TBD, school visit resource clearinghouse
• TBD, Speakers’ Bureau clearinghouse

Partner Organization Liaisons

• Andy Fraknoi, ASP
• Guy Consolmagno, AAS
• Emily Cobabe-Amman, AGU
• Emily Lakdawalla, Planetary Society
• Laura Woodney, DPS Professional Development Subcommittee
Pasadena E/PO Summary

• E/PO efforts coordinated by Alice Wessen, JPL
• ~1000 kids visiting this week
• Remarkable since Pasadena schools started last week!
DPS Discoveries

- “Astro 101 powerpoints” on discoveries too new for the textbooks
- ~20 produced so far by Dave Brain & Nick Schneider, more to come
- Popular! Dominates DPS web hits for month of release, hundreds to thousands of downloads for each ppt
- dps.aas.org/education/dpsdisc
The Coming Year

• Service “by members and to members”
• New resources to be posted on the DPS website
• “Year of the Solar System” – see poster, stay tuned
• Still welcoming subcommittee members interested in leading a project
Press Officer Report
Sanjay Limaye

42\textsuperscript{nd} Division for Planetary Sciences Meeting
4 October 2010
42nd Meeting

• More than 670 abstracts received by deadline
• 87 abstracts flagged as newsworthy
• First notice for potential briefings/releases to the “newsworthy” sent in August
• Second notice to additional two dozen authors of other abstracts in late Aug/Sep
• Very few responses....
Puzzle… Fewer stories for the media…. Why?

- More media interest this year (~ 20)
- Majority of newsworthy authors did not respond to e-mails
- EPSC – two weeks before DPS
- Many stories published independent of EPSC and DPS in the last month
- Journal articles submitted/under review
42nd Meeting Status

• Press Room and Briefing Rooms set up
• Briefings scheduled during the lunch hour
• Will experiment with webcasting the briefings for the first time with AAS help
Icarus Report - Phil
Nominating Committee

• Nominations

• Vote
2010 LOC Report
Joint Meeting
DPS and EPSC
October 2\textsuperscript{nd} to 7\textsuperscript{th}, 2011
Access to Nantes
International destination within easy access from US or Europe

International airport
• 1 hour from Paris & London
• 21 direct international destinations

High-speed trains
2 hours away from Paris
3 hours from Roissy CDG
21/day every half-hour at peak times
Nantes Convention Center

A Strategic location at the heart of town
- 15 minutes from downtown (walking)
- Bus and tramway available
- 5 minutes from the train station

Nantes attractiveness

The first french city having the « City Environment award » 2005

« 2003 Eurocity award »

« The most pleasant city in Europe » (Time Magazine - august 2004)
• Meeting space (exclusivity)
  Auditorium 800, 450 (incl. Public lecture)
  Rooms 300, 200, 120
  6 smaller rooms (30-80)
  Great Hall (3600 m²)
  Mezzanine (1000 m²)
  Staff rooms, Press room
The Gala Evening

The city of Nantes features a large number of venues, both traditional and unusual, for evenings and gala dinners. Two options under study:

• The Château des Ducs de Bretagne
• The Erdre River and its manor houses
Mont Saint-Michel
UNESCO World Heritage Site. At the gate to Brittany stands an outstanding abbey, a real man-made marvel with its bay area... a wonder of nature.

The Loire Valley châteaux
From the 14th to the 16th century, the Loire Valley attracted the kings of France who had their most sumptuous châteaux built all along.

Clisson, the scent of Italy
Clisson is an Italianate town with some wonderful buildings around La Garenne Lemot and its castle. Clisson Castle is an outstanding example of French military architecture. In a single visit, you can see 500 years of fortifications.
2012 Meeting Status

• Denver moved to 2013
• Current candidates – Tucson AZ, Orlando FL, Reno NV
• We are winding up fact-finding
• Will make a decision on Thursday
### Incoming and Outgoing Committee Members

<table>
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<tr>
<th>Outgoing</th>
<th>Incoming</th>
<th>Role</th>
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<tbody>
<tr>
<td>Jonathan Lunine</td>
<td>Dan Britt</td>
<td>Chair</td>
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<tr>
<td>Susan Lederer</td>
<td>Elizabeth Turtle</td>
<td>Committee</td>
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<tr>
<td>Rosaly Lopes</td>
<td>Dale Cruikshank</td>
<td>Committee</td>
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<tr>
<td>John Spencer</td>
<td>Athena Coustenis</td>
<td>Secretary</td>
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<td>Jim Bell</td>
<td>Amy Lovell</td>
<td>FRS chair</td>
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<tr>
<td>Ross Beyer</td>
<td>Tony Roman</td>
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<td>Sanjay Limaye</td>
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<td>Press Officer</td>
</tr>
<tr>
<td>Diana Blaney*</td>
<td></td>
<td>Treasurer</td>
</tr>
</tbody>
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* One year to overlap new treasurer
Chair Concluding Remarks

• This has been a very rewarding year for me and I appreciate the confidence the DPS membership placed in me

• I am now turning this gavel over to Melissa McGrath, and I have every confidence that she will be a terrific leader
Incoming Chair Remarks
DENVER & THE WEST

DNA LEADS TO SUSPECT
Greeley store clerk was killed in 1977

Business » 7-11B

EASIER CREDIT
In the new age of credit cards, some technologies are being developed and tested in metro Denver, such as stolen cards being replaced in minutes or buying items with a small sticker affixed to a cellphone. » 7B

Wall Street
DOW JONES 126.74
10,471.58
NASDAQ 31.21
2,175.81
S&P 500 13.23
1,108.86

DPS board heads into therapy

In wake of Monday's contentious meeting, the new board will hold a closed session with a psychologist

By Jeremy P. Meyer
The Denver Post

A Denver marital therapist has been hired to work with school board members after a tumultuous Monday meeting exposed deep rifts among the new board about the future of school reform in the city.

A day after approving controversial reforms at the city's most troubled middle school and following the swearing in of three new members, the district was wary of a possible legal challenge and that the reform package could be overturned.

One new board member, Andrea Merida, was sworn in by a district court judge hours before the meeting so she could vote.

Merida cast "no" votes on the controversial reforms, saying not enough community involvement occurred.

Board members Arturo Jimenez and Jeannie Kaplan, who joined Merida on the losing side of votes approving reforms, speculated during the meeting that the board's actions were illegal under state law.

On Tuesday, DPS attorney John Kechriotis called that argument a "political ploy" meant to "strategically delay" the district's efforts.

Kechriotis was responding to a letter penned by Merida's attorney, Mark Grueskin, who said Supreme Court cases he argued establish that "lame duck" school boards have authority only to make "administrative" decisions and not shape policy.

Kechriotis on Tuesday called Grueskin's letter a "political ploy.

"The drafting of a legal memorandum in response to such a transparent political ploy has been a complete waste of time and taxpayer money," Kechriotis wrote.

In an e-mail, Grueskin responded: "What if lame-duck senators and..."
Despite the financial crisis, many positive new things were still achieved!

- Professional Development Subcommittee
- Member Survey
- Pu 238 campaign
- Discovery slides sets
- Student reception at DPS meeting

On our plate for the coming year:

- New officers (Secretary, Treasurer, Press Officer, Web Master)
- Nantes – our first joint, foreign meeting
- Site selection for 2012 meeting
- Decadal Survey roll out
- DPS Job Register
- Future meeting support
- Publish Member survey
- Pu 238 still looming

- *** YOUR IDEAS HERE ***
“It doesn’t happen because we want it to.” – Jim Green

- Vote in the DPS election
- Make a monetary contribution (unrestricted, Prize funds, Hartmann travel grant fund)
- Volunteer for a subcommittee (FRS, EPO, PD)
- Nominate someone for a prize
- Propose to host a meeting in your city
- Do a Congressional visit, or write a letter
- Each year we elect, select, or appoint:
  - one Nominating Subcommittee member
  - two Prize Subcommittee members
  - two Icarus Editorial Board members
  - one FRS Subcommittee member
  - two new Committee members and a Vice Chair

GET INFORMED & GET [MORE] INVOLVED
You can make a difference.
Future Meetings’ Process

Part 1
Future Meetings Organization Overview

• For the last few years there have been problems with our meeting organization and particularly finances
  – Diana will walk us through financial considerations
• At the business meeting last year these grievances were aired
• Communication with the AAS was at the heart of the issues
• We discussed what we should do to respond to these clear concerns, came up with two-pronged approach:
  – Candy: work with AAS to clean up our communication problems
  – Melissa: look at alternatives to having the AAS organizing the meeting
  – (we “spearheaded”, with lots of help from the committee!)
Future Meetings Organization

• Considerations:
  – We like having an LOC and at least some variety in where we meet
    • But the DPS has grown to the point that it is challenging to find appropriate venues
  – The AAS is the DPS parent body and must sign all contractual agreements, and has ultimate financial responsibility
  – Conferences are big business for conference venues, and DPS scientists are not trained in all the subtleties of this business - some professional help is required
    • Or the LOC give up their careers as scientists for a year…
Part 1 - Fix AAS-DPS communication gaps

Complaint: “I’m thinking about hosting a DPS meeting and no one from the AAS ever calls me back to tell me what’s needed”

Fix:
• The committee evaluated our facility needs with the AAS
• Jason developed a spreadsheet for Performance Floor, Baseline, and Flagship levels of adequacy
  – Room for plenary and rooms for parallel sessions
  – Space that can be locked for exhibitors
  – Space for poster sessions
• AAS standard meeting RFP is now ~aligned with these numbers
  – Also, preferred dates were updated
• DPS website updated to indicate that this is the first local evaluation a member should do if they are interested in hosting a DPS meeting
  – This is the only thing - do not enter any sort of negotiation - contact the committee at this point to express your interest!
Part 1 - Fix AAS-DPS communication gaps

Complaint: “The AAS staff make decisions without talking to the LOC”

Fix:
• On the last day of the Puerto Rico meeting the AAS staff met with the Pasadena LOC
• We walked through the planning process and clarified who would be responsible for what
• AAS examples
  – All negotiations with convention center and hotels
  – All food and beverage negotiations
  – Main contact for all service providers
• LOC examples
  – Banquet venue
  – Volunteers
  – Associated events
  – Outreach
• Telecon times and frequency were planned for the entire year leading up to this meeting
Part 1 - Fix AAS-DPS communication gaps

• Agreements at the AAS-LOC meeting were subsequently documented
  – Need to update the meeting guide for LOC’s on the website

• Soon after this meeting AAS developed a timeline of when decisions would need to be made
  – This timeline is generic and will also become part of our new meeting guide for future LOC’s

• Telecons have been carried out ~per plan, and as issues have been identified they have been remanded to the DPS committee
  – Example - Workshops - what the guidelines would be, definition of a workshop, what the website would request
  – Example - Banquet - contingency plans for rain

• Communication is a lot better, but not perfect
Part 1 - Fix AAS-DPS communication gaps

**Complaint:** “The AAS came in with costs we did not anticipate”

**Two-part fix for this one**

- New MOU with AAS written and finalized (by Jonathan Lunine and Rick Binzel)
- New MOU specifies exactly what AAS will charge for what
  - Future meeting development support
    - Selection of venue
  - Meeting planning, negotiation with service providers
  - IT support
  - Registration management
  - Abstract submission and BAAS
  - On-site staff support
- **Bottom line - no surprises**
Part 1 - Fix AAS-DPS communication gaps

Complaint: “The AAS came in with costs we did not anticipate”

Second part of fix for this one

- **There is only one budget spreadsheet!**
  - In the past the AAS had a spreadsheet and the LOC had a spreadsheet and each had items the other knew nothing about
  - Result was that registration fees were set without adequate knowledge of *total* costs

- This year the AAS put together their best estimate and the committee reviewed the spreadsheet in May
- Revenue model included based on attendance at last 5 DPS meetings, estimate for contributions from donors, NASA support
- Costs based on MOU for AAS and best estimates for venue, food&beverage, etc.
- Reserve included for contingencies
- Budget spreadsheet reviewed at telecons intermittently as estimates have solidified
- LOC does not make financial decisions unilaterally
Part 1 - Fix AAS-DPS communication gaps

Registration and Finances

• This is a problem we cannot legitimately blame on the AAS staff
  – Incomplete info when setting registration - committee / LOC had no revenue model, not all costs known
• The lesson we learned is that the committee must do due diligence every year when determining the budget and registration fee
• The last two years we’ve been extremely frugal
  – Registration comp’d only for volunteers
  – No conference gifts
  – Banquet had to pay for itself
  – No lavish committee dinner
  – Webstreaming nixed until the costs come down
• Pasadena was selected for our venue largely because the costs would be predictable
• We’re hoping to rebuild our reserves (which will be necessary if we decide to have an organization other than the AAS organize the meetings)
Conference Finances
Part 2 - Alternatives
Future Meeting Support

Melissa McGrath, Dan Britt, Anita Cochran, Mark Sykes

• Identified and discussed options
  – Continue with the AAS
  – Use Professional meeting organizer (several were recommended based on past meeting organization)
  – Use one of the existing science meeting organization groups (LPI, Eureka Scientific)

• Recommended to the DPS Committee that we:
  – Extend the MOU with the AAS through the 2012 meeting (due to time pressures and no site selected for 2012)
  – Compete meeting support by issuing an RFP for 2013 (and possibly 2014)
  – Evaluate after 2013 and reconsider options

Now being handed off to Dan Britt