

WYOMING

NASA Space Grant Consortium

Spring 2010 Board Meeting





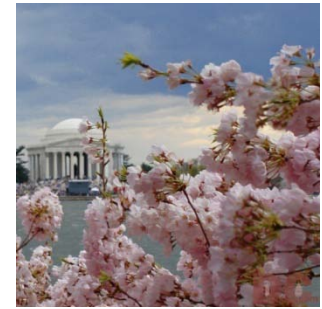
Agenda



Space Grant Board of Director's Meeting, April 23, 2010

| | |
|--------------|----------------------------------------------------------|
| 10:00 | Welcome and Introductions |
| 10:15 | Stephanie Slater, MST Program in Space Science |
| 10:45 | Brian Ewenson and Toni Brown, Challenger Learning Center |
| 11:15 | Break |
| 11:30 | NASA – Space Grant Updates |
| 12:15 | Lunch |
| 1:00 | Scholarships/Internships/Fellowships/Grants |
| 1:20 | New Items |
| 1:40 | 2010 Budget |
| 2:00 | Odds and Ends – Wrap Up |

NASA – Space Grant Updates



- Updates from the March 2010 national meeting
 - New reporting system still not available, but usernames have been created (OEPM)
 - **Please send us your info on awardees and apps**
 - New 5-yr proposal submitted in January (thank you!)
 - We may have to revise and resubmit proposal
 - We will probably have to submit a revised budget proposal for the additional amount that Congress and the President signed into law for Space Grants
 - Funding on hold for now



NASA – Space Grant Updates

- 2010 ESMD Innovative Project Solicitation (Exploration Systems Mission Directorate)
 - 1-3 awards for \$25,000 - \$75,000
 - Renewal for 2 additional yrs possible
 - Proposals accepted from lead institution or affiliates
 - Seeking innovative approaches to using NASA ESMD themed content in support of higher education teaching and learning
 - Spacecraft, Propulsion, Lunar and Planetary Systems, and Ground Opps
 - Due June 7, 2010



NASA – Space Grant Updates

- ESMD would like to target community colleges for programs next year

What types of programs would community colleges be interested in?

NASA – Space Grant Updates

- Some things to think about for next year
 - Attending regional or national meeting
 - Fall Regional – Omaha, NE – Sept 16-18, 2010
 - Fall National – Portland, ME – Oct 14-16, 2010
 - Spring National – Washington, DC – March 3-5, 2011
 - Carla attended the DC meeting—very informative

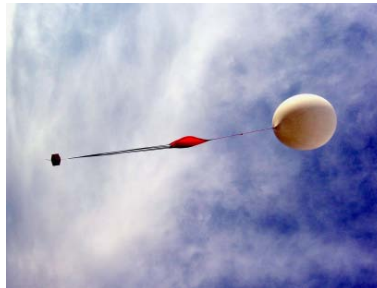




NASA – Space Grant Updates



- Some things to think about for next year
 - RockOn or Balloon Satellite Workshops
 - Paul Marquard interested in attending Balloon Sat workshop
 - <http://www.youtube.com/watch?v=QXChQtPNvsk>
 - Incorporate design projects/competitions into classes or develop extracurricular programs
 - Gives students a chance to get real, hands-on experience



NASA – Space Grant Updates

- Ideas from DC meeting:
 - Database for researchers looking for students and UG's looking for opportunities
 - Small grants to support UG's or grads interested in K-12 outreach
 - Cap on international travel of \$1000 – right now we don't allow funding for international travel – do we want to reconsider?
 - National Lab Day - <http://www.nationallabday.org/>

NASA – Space Grant Updates

- Updates from Fall Board Meeting
 - We started the Fall Senior Design Fellowship competition
 - 3 applicants and 3 awards
 - Engaging Minority Serving Institutions
 - Summer 2010 we will start an UG research program with students from Winston-Salem State University
 - We already have 6 applications and we hope to make 4-5 awards



NASA – Space Grant Updates

- Minority Student Organizations
 - Seminars once a semester with Multicultural Affairs
 - Studying and Researching in the Sciences
 - Provide dinner and information
 - First semester had good attendance, second semester not as good—next year we will do a joint seminar in the fall for both older and younger students



NASA – Space Grant Updates

- NASA Educator Resource Center



- Currently being updated

- Will provide teacher resources and professional development opportunities to K-12 teachers

- Still trying to get NWC involved as an affiliate



- Will work on updating the Reviewer Grade Sheets this summer—scoring system

NASA – Space Grant Updates

- Website has been updated
 - <http://wyomingspacegrant.uwyo.edu/>
 - Facebook Fan Page and Twitter



- Wyoming Aerospace Scholars Program
 - Targets middle and high school students
 - Participate in online lesson plans and get to visit a NASA or science center in the summer as reward
 - May submit NSF GK-12 proposal to help fund this
 - Texas: <http://aerospacescholars.jsc.nasa.gov/>



NASA – Space Grant Updates

- CC STEM Scholarships
 - LCCC, EWC, and CWC used SG office to send out awards
 - How has this worked for everyone?
 - What would you like us to send you?
 - Posters, PDF's, SG competitions, NASA competitions, etc.

NASA – Space Grant Updates

- CC STEM Scholarships
 - What is the best way to divide scholarship funds?
 - FTE #'s for total enrollment from WY CC Commission Report OR FTE #'s for STEM majors for each college?

NASA – Space Grant Updates



- Update from Michele Wistisen - Casper Planetarium
 - Summer Astronomy program
 - We continue to offer opportunities to pre-service teachers to practice what they are learning in their methods classes along with developing a stronger foundation in teaching science
 - After-school Science program
 - This helps students at Title 1 schools experience a variety of science. This year we had a group of students from the Boys and Girls club. We also piloted a kit from GEMS with this group. So not only did the students benefit, but the staff learned some new science concepts as well.

Lunch



Scholarships, Internships, Fellowships, and Grants

- CC STEM Scholarships
 - Please make sure to get all student awardee info for 2009-2010 and copies of applications to us
 - Senator Barrasso's office sent out thank you's to all CC STEM awardees this year!
 - Funding for next year
 - We will keep you posted – hopefully we will be able to increase the amounts going to the CC's if we are awarded the full amount of funding from Congress



Scholarships, Internships, Fellowships, and Grants

- CC Transfer Scholarships
 - Due June 4, 2010
- Winston-Salem State University UG Research Fellowships
 - Due May 1, 2010
 - Dates: June 7-July 16 OR June 14-July 23
- Need review committee volunteers (Lorna, Suki, anyone else...)

Scholarships, Internships, Fellowships, and Grants



- Internships
 - 1 intern at Lunar and Planetary Science Academy, Goddard
 - 1 intern at Marshall Space Flight Center
 - 1 intern at Johnson Space Center
 - 4 students at Firehole Technologies in Laramie
 - Hopefully we can place 3 more students
 - 14 applicants to NASA centers that we know of
 - We normally send several students to JPL



Scholarships, Internships, Fellowships, and Grants

- Undergraduate Research Fellowships
 - 19 applications (16 apps in 2009)
 - 8 awards
 - 5 alternates
- Graduate Research Fellowships
 - 29 applications (23 apps in 2009)
 - 6 awards
 - 5 alternates

Scholarships, Internships, Fellowships, and Grants

- Faculty Research Initiation Grants
 - 14 applications (9 apps in 2009)
 - 4 awards
 - 2 alternates
- Faculty Education Enhancement Grants
 - 4 applications (11 apps in 2009)
 - 4 awards (2 full, 2 partial)
 - **Changed due date for grants, so faculty could use awards for summer salary



New Items



- Summer of Innovation Proposal approved!!
- Wind Energy Summer Camps at the CC's for middle school students
- Thanks to everyone for scrambling to help us get that submitted!



New Items

- New ideas in the proposal
 - Travel grants for scientific conferences (~\$200-\$300)
 - Phase out funding for proposal writing seminars—
advertise free opportunities at UW and give
examples/info on SG website
 - Develop some new Space Trunks and revamp
existing ones (Rockets and Telescopes)
 - History of Space Science
 - Robotics
 - Higher-level Rocket Trunk
 - Space Shuttle Trunk



New Items

- Provide specific professional development opportunities for K-12 teachers
 - MST Program in Space Science




- Get more involved with Robotics programs in Wyoming



- Start a Wyoming Aerospace Scholars Program



New Items

- Provide funding for museums, science and technology centers, and libraries to increase their space and earth science programs
- Provide funding for a Space Shuttle display 
- Encourage affiliates to hold events, such as “Star Parties” or “Darwin Day”, etc. at their institution
 - SG could provide some funding for events

New Items

- Informal or formal Wyoming Space Grant conference for awardees??
 - Students and/or faculty could present their research
 - UG's would have a chance to talk to grad students and faculty members
 - Provide greater mentorship and information for UG's



Current Opportunities

- Women in Science – May 11, 2010
- AstroCamp – June 20-29, 2010
- Wind Energy Summer Camps – June-July, 2010
- WSSU UG Research Fellowships – Due May 1, 2010
- CC Transfer Scholarship – Due June 4, 2010





2010 Budget



- 2009-2010 budget = \$590,000
- 2010-2011 budget submitted in January = \$430,000 (+ \$100,000 in carry-over from previous grant)
- 2010-2011 augmentation = \$700,000
 - Amount approved by Congress

2010 Budget

- Generally, we have to stick pretty close to this breakdown:
 - Fellowships/Scholarships – 45%
 - Higher Education – 10%
 - Research Infrastructure – 25%
 - Precollege (K-12) – 5%
 - Informal Education – 5%
 - Management – 15%
- If we get the augmentation we will probably just increase everything incrementally
 - Are there any special programs you think we should fund?









Odds and Ends

- Reimbursements
 - Turn in food and hotel receipts
 - Mileage
- Newsletter items for Fall Newsletter
 - Send us info on students, faculty, etc
 - Last year—Craig Thompson and Casper Planetarium after-school program
- Any questions or concerns?







Odds and Ends

- Fall 2010 Meeting
 - Location and Dates

OCTOBER 2010

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 31 | | September 2010 <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>Th</td><td>F</td><td>Sa</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td></tr> </table> | S | M | T | W | Th | F | Sa | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | November 2010 <table border="1"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>Th</td><td>F</td><td>Sa</td></tr> <tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr> <tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr> <tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr> <tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td></tr> </table> | S | M | T | W | Th | F | Sa | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | Notes: www.vertex42.com |
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SEPTEMBER 2010

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| 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Thanks for Coming!!!

