



## **Agenda—Space Grant Board of Director's Meeting**

9:30 Welcome, Introductions, Contact Information Update

9:45 NASA/Space Grant Updates

10:00 Update on Items from Last Meeting

10:45 Scholarships/Internships/Fellowships/Grants

11:15 Break

11:30 New Items

12:00 Briefly Touch on the FY 2010 Budget

12:15 Odds and Ends

12:30 Lunch

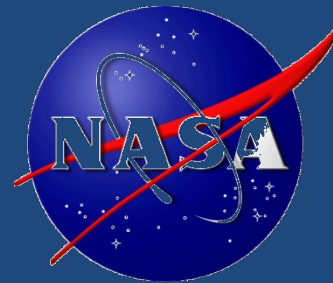
# Welcome, Introductions, Contact Information Update

- Welcome!
- New people in Space Grant:
  - Sheridan College Rep: Tom Johannesmeyer
    - Natural Science, Geology
  - Space Grant Staff: Michele Turner
  - Space Grant Staff: Emily Stewart
- Contact Info

# NASA/Space Grant Updates

# NASA/Space Grant Updates

- NASA is switching to a new reporting system
  - CMIS---OEPM (Office of Education Performance Measurement System)
  - Similar look and feel to CMIS—streamlined and data can be entered year round
  - Phase 1—Fall 2009
    - Contact info and institution data
  - Phase 2—Winter 2010
    - Management data
  - Phase 3—Spring 2010
    - Program data entry



# NASA/Space Grant Updates

- FY 2008 Report (May 1, 2008-April 30, 2009)
  - Progress Report Data Tables
  - Expenditure Summary
  - Survey Monkey surveys

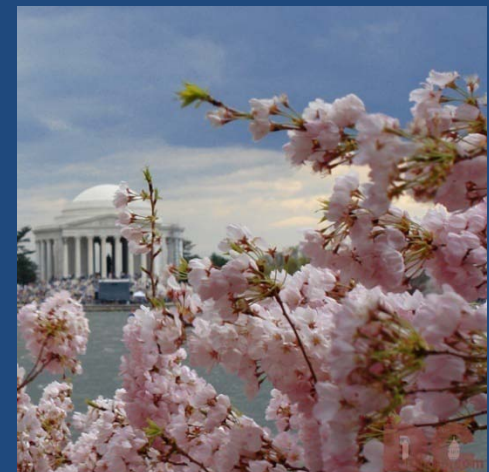
# NASA/Space Grant Updates



- Summer Audit by State of Wyoming
  - Need all Community Colleges to use the same application—collect same information across the board
    - Need question about US citizenship on application
    - Laramie office needs copies of applications
  - Applications, posters, award certificates will be available for everyone on the website
    - Coming soon!
  - We will also send posters and e-mail applications soon

# NASA/Space Grant Updates

- Western Regional Meeting:
  - Reno, NV
  - September 17-19, 2009
- National Meetings:
  - Portland, OR
  - October 22-24, 2009
  - Washington, DC
  - March 2010



# NASA/Space Grant Updates: ESMD

- Current competition—Lunabotics (applications due Feb 2010)
- ESMD (Exploration Systems Mission Directorate) funding will change next year
  - Solicitation coming soon
  - Space Grants will be awarded more money, but it will be competitive—not everyone will be funded
  - Categories for:
    - Students
    - Faculty
    - Institutions





# NASA/Space Grant Updates

- Diane DeTroye will be asking for “90-day highlights” periodically—please send us stories about outstanding students if you have them

# NASA/Space Grant Updates

- Pathevo



- Education and career planning tool
- Geared towards engineering and science students
- Has:
  - Assessment tools
  - Info about different colleges and programs
  - Info about financial aid
  - Can aid advisors in directing students
- Cost = \$4000 for first year, \$2000 after that
  - 500 subscriptions that could be shared across the Consortium



# NASA/Space Grant Updates

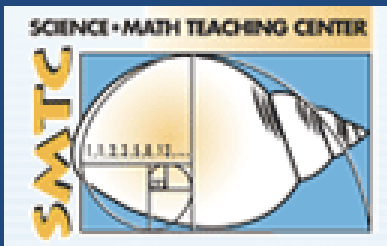


- Incorporating design projects/competitions into classes
  - Everyone is busy so this kills two birds with one stone...
  - Balloon Satellite programs
    - Summer workshops in Boulder, CO and New Mexico
  - Rocketry
    - UW now offers a Special Topics in Rocket Science Course
    - Rock-On/RockSat workshops
  - Unmanned Autonomous Aircraft Vehicle (UAV)
  - Gives students a chance to get real, hands-on experience

# Updates from Last Meeting

# Update from Last Meeting

- Fall 2009 Senior Design Fellowships
  - Due October 31, 2009
  - For Fall-Spring Engineering Senior Design students
    - Come up with ideas in Fall
    - Build the design in Spring
  - Up to \$1000 per award
  - Awards given to teams or individuals
  - Budget of \$5000



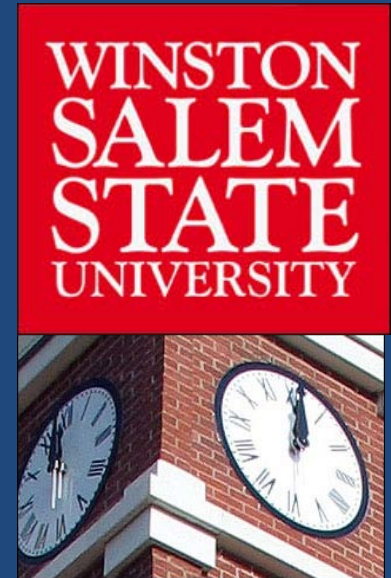
# Update from Last Meeting

- SMTC Proposal was funded
  - MS in Teaching (MST) program with a focus on astronomy and space science
  - Directed towards middle and high school teachers
  - Outreach based
- Funded a Ph.D. student, Trent Mankowski
- Trent was also awarded an Undergraduate Research Fellowship



# Update from Last Meeting

- Engaging Minority Serving Institutions
- HBCU's
  - Currently working with the Provost of Winston Salem State University
    - Constituent of University of North Carolina
  - Some potential ideas:
    - Summer undergraduate research exchange
    - Grad student or faculty exchanges
    - Longer periods of time for exchanges
    - Teacher development projects in STEM
    - Any ideas....



# Update from Last Meeting

- Minority Student Organizations
  - Once a semester seminars through Multicultural Affairs
    - Studying and Researching in the Sciences: NASA Space Grant Consortium
    - Provide dinner and information
  - Help fund speaker series
    - STEM-related topics
  - Ideas...





# Update from Last Meeting

- Museum Outreach—Paula Taylor
  - Missile Rack cards for F.E. Warren AirForce Base ICBM & Heritage Museum
  - Cards have been developed
  - Will be available in early October
    - Coincides with 50<sup>th</sup> Anniversary of ICBMs (intercontinental ballistic missiles)



# Update from Last Meeting

- Afterschool science mentoring program coordinated by the Casper Planetarium



# Update from Last Meeting

- New NASA Education Resource Center
  - Part of the UW Library System
    - Located in the UW Lab School Library
  - Creating a “Special Collection” of NASA and Space Science resources for teachers and students around the state
    - Curriculum
    - DVDs
    - Books
  - Advertise and send out quarterly mailings
  - Update materials
  - Catalog materials and post on SG website and UW Library System



# Update from Last Meeting: CCs

- How to distribute money to students
  - We can send a bulk check to Student Financial Aid
  - We can send individual checks to students
    - UW Financial Aid said this is perfectly acceptable
    - Award would not interfere with a student's financial aid package
- Amount of the scholarship
  - Currently up to \$1000
  - Do we want to change this?
  - If the award is \$5000 or greater, we would need to track the students...

# Update from Last Meeting: CCs

- FTEs and \$\$ going to each CC
  - Numbers and amounts based on:

*Wyoming Community College System  
Fall 2008 Enrollment Report*

Table 1

WYOMING COMMUNITY COLLEGE SYSTEM					Enrollment Report				
College	Credit Headcount*					Credit FTE			
	Full-time	Part-time	Total	Percent		Full-time	Part-time	Total	Percent
Casper	1,943	2,422	4,365	19.0%		2,483.46	976.27	3,459.73	21.9%
Central	807	1,354	2,161	9.4%		1,027.04	556.13	1,583.17	10.0%
Eastern	554	951	1,505	6.6%		721.17	353.63	1,074.80	6.8%
LCCC	1,937	3,096	5,033	21.9%		2,387.00	1,162.25	3,549.25	22.4%
Northwest	1,158	652	1,810	7.9%		1,551.21	240.58	1,791.79	11.3%
NWCCD	1,093	3,074	4,167	18.1%		1,350.79	886.33	2,237.12	14.1%
Western	1,029	2,897	3,926	17.1%		1,324.88	803.83	2,128.71	13.5%
Total	8,521	14,446	22,967			10,845.55	4,979.02	15,824.57	
Percent	37.1%	62.9%		100%		68.5%	31.5%		100%

\*These counts include on-campus, distance education, auditing, compressed video and telecourse students

Source: Wyoming Community College Commission Date: 7-May-09

# Update from Last Meeting: CCs

- Money awarded to each CC for 2009

CC	HC F08	% of FTE	\$\$	2009 Awards	Diff 08-09	2008 Awards
Casper	1943	26.3887	10555.48	10500	600	9900
Central	807	10.96021	4384.08	4300	500	3800
Eastern	554	7.524107	3009.64	3000	100	2900
LCCC	1937	26.30721	10522.88	10600	-500	11100
NWCCD	1093	14.84449	5937.80	5900	100	5800
Western	1029	13.97528	5590.11	5700	-800	6500
	7363		40000	40000		40000

# Scholarships, Internships, Fellowships, and Grants

# Scholarships, Internships, Fellowships, and Grants

- Scholarships—
  - CC STEM—not awarded yet
    - How are people advertising competitions (posters, e-mail list-serves, etc.)?
    - Can we help at all—are posters enough from our end?
    - Awards of \$200 to \$1,000, most awards between \$500-\$800 (last year)
  - CCTS—28 applications, 5 awards
    - Awards of \$5,000



# Scholarships, Internships, Fellowships, and Grants

- Internships
  - NASA Centers
    - 6 applications to JPL, 3 students accepted—\*\*Andrew Magstadt returned for a 2<sup>nd</sup> year at JPL
    - 1 student went to Glenn—\*\*Justin Mullings was offered a Graduate Fellowship from Glenn as a result of his internship
    - 1 student went to Goddard—\*\*Lori Sandberg had a great experience
    - Awards of \$6,500
  - Firehole Technologies, Inc.—ESMD Internships
    - 4 students spent the summer at Firehole



# Scholarships, Internships, Fellowships, and Grants

- Fellowships
  - UG Spring Fellowships—16 students and teams applied; 11 students funded by Space Grant, 2 students funded by EPSCoR
    - Awards of \$2,000-\$5,000
  - UG Fall Fellowships—not awarded yet
    - Awards up to \$1,000 per team or individual
  - Grad Fellowships—23 applications, 6 PhD students funded
    - Awards of \$20,000

# Scholarships, Internships, Fellowships, and Grants

- Faculty Research Initiation Grants
  - 9 applications; 5 funded by Space Grant, 2 funded by EPSCoR
  - 6 awards given to UW faculty, 1 award given to WWCC faculty
  - Awards of \$9,000 to \$20,000
- Faculty Education Enhancement Grants
  - 11 applications; 1 fully funded, 3 partially funded
  - 1 award given to EWC faculty, 3 awards given to UW faculty
  - Awards of \$5,000 to \$10,000

# Scholarships, Internships, Fellowships, and Grants

- Numbers compared to previous year:
  - Scholarships
    - CC STEM—51 awards in 2008, no data this year
    - CCTS—increase of 13 applications, same # of awards
  - Internships
    - NASA Centers—applicants the same, increase of 1 award
    - Firehole Technologies, Inc.—increase of 1 award
  - UG Fellowships—increase of 7 applicants, increase of 2 awards
  - Grad Fellowships—increase of 5 applicants, increase of 2 awards

# Scholarships, Internships, Fellowships, and Grants

- Faculty Research Initiation Grants
  - 7 fewer applications, 1 additional award
- Faculty Education Enhancement Grants
  - 5 more applications, 1 additional award

# Scholarships, Internships, Fellowships, and Grants

- Criteria for making decisions:
  - Scholarships
  - UG Fellowships
  - Grad Fellowships
  - Faculty Research Grants
  - Faculty Education Grants

# Scholarships, Internships, Fellowships, and Grants

- Thanks to everyone for helping out this year and serving on committees
- If you would like to serve on a committee for the upcoming competitions, please let us know—we welcome volunteers!!! (And we will bug you if you don't volunteer 😊)

Any comments, questions, concerns  
up to this point??



Break Time!

# New Items

- New member—Northwest Wyoming College?
  - Trying to get them involved
  - Ideas...





# New Items



- NASA Aeronautics Scholars Program
  - Targeted towards high school juniors
  - NASA-developed course in Space Exploration
  - Online coursework during the Spring semester that culminates in a 1-week summer experience at a NASA center
  - Jim Verley, Dept of Ed “Science guy”, is trying to find some funding for students
  - Space Grant could potentially fund teacher development aspects

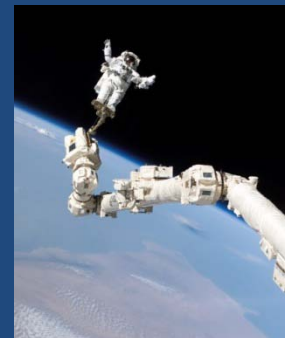




# New Items



- Space Shuttle Memorabilia
  - NASA will be giving away artifacts from the Space Shuttles and used in Space Shuttle missions
  - The only cost for items will be shipping
  - Items need to be housed where the public has access to them
  - Contact school museums and libraries if interested...



# New Items



- Updating the SG website
- We will have a menu item: Space Grant Affiliates
  - Links to all of the affiliate colleges
  - Link to CC applications, posters, certificates
- We will have a menu item: Space Grant Board of Directors
  - List all of the affiliate representatives and advisory board members
  - Names , e-mails, and home institutions
- Anything you want added....

# New Items

- Website
  - Facebook Fan page
    - Good for disseminating information and longitudinal tracking
  - Twitter page
    - Good for students to talk to one another and for quick question answering
  - Videos of student experiences
    - Especially NASA center internships...
    - Cool Grad student research...

Briefly Touch on FY 2010 budget

# Briefly Touch on FY 2010 budget

- FY 2009 is Year 5 of our grant
- Allowed a 1-year no-cost extension of unspent funds
  - ~\$125,000
- For FY 2010 we will need to submit a 5-year budget plan with a 1-year detailed budget
  - May need to restructure our programs
  - Proposal instructions should be out in October
  - Budgets due Winter of 2010



# Briefly Touch on FY 2010 budget

- Budget based on \$28 million, ~\$450,000 for WY (with carry-over our budget would be similar to last year)
  - Last year \$40 million, \$590,000 for WY
  - The House has recommended \$45.6 million for Space Grant, \$700,000 for WY
  - New NASA Administrator, Charles Bolden, is pro-education
- Any comments about the budget or where the money is being spent...

# Odds and Ends

# Odds and Ends

- Spring Meeting
  - Date:
    - UG Research Day is April 24, UW last day of classes is April 30
  - Place:
- Reimbursements
- Newsletter items from affiliates?
- Difficult areas
  - Minority student organizations
  - Proposal writing seminars
  - Any ideas...
- Other issues?

# Lunch!!



\*\*Following lunch we will take a tour of the  
Wickman Facility \*\*