

# WYOMING



NASA Space Grant Consortium

## Agenda

Space Grant Board of Director's Meeting  
UW Wyoming Technology Business Center, Laramie, WY  
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
  - Community College STEM Scholarships
  - Community College Transfer Scholarships
  - Internships—NASA Centers and Firehole Technologies, Inc.
  - Undergraduate and Graduate Research Fellowships
  - Faculty Research Initiation Grants
  - Faculty Education Enhancement Grants
- 1:20 New Items
- 1:40 2010 Budget
- 2:00 Odds and Ends – Wrap Up

## **Meeting Minutes**

Space Grant Board of Director's Meeting

April 23, 2012 --- Wyoming Technology Business Center, Laramie, WY

### **Welcome, Introductions, and Contact Information Update**

Attended:

Burt Davis

Paul Johnson

Rich Laidlaw

Shawna McBride

Suki Smaglik

Emily Stewart

Lorna Stickel

Scott Thompson

Michele Turner

Andrew Young

Introduction of new members and guests: Emily Stewart, Brian Ewenson and Toni Brown with the Challenger Learning Center out of Gillette, Wyoming and Tim and Stephanie Slater with the University of Wyoming

#### **Stephanie Slater – MST Program in Space Science**

Distance learning/astronomy education to Wyoming

Masters for Teaching Astronomy (MST program)

For Community College Instructors and K-12 teachers

Astronomy content and instruction on presenting in the classroom

2 instructors – Tim and Stephanie Slater

Would like Space Grant to offer scholarship money for teachers

The goal is to focus on Wyoming teachers but will target the Rocky Mountain Region

#### **Brian Ewenson and Toni Brown, Challenger Learning Center**

Challenger Learning Centers are living, educational memorials to those astronauts lost

They promote STEM exposure and aerospace as a motivator and captivator

They would like to build a center on the high plains here in Wyoming

Could be an effective partnership with Space Grant

Gillette Planetarium may be another partner for SG to consider (Paul Zeleski)—they are updating their planetarium

#### **NASA/Space Grant Updates and New Items**

We are still waiting for our new reporting system

Thank you everyone for your support with the proposal submitted in January

ESMD (Exploration Systems Mission Directorate) is looking for ideas for community

colleges. Some ideas discussed at the meeting for community colleges include (reported to Gloria Murphy at ESMD):

Curriculum development grants

Space Camp for college students  
Faculty Research Grants  
Overload funding—funding for time to do research

Opportunities for affiliates:

Rock-on and Balloon Satellite workshops  
National Director's Meetings and Regional Meetings—let us know if you would like to attend (Fall Regional-Omaha, NE Sept 16-18; Fall National-Portland, ME Oct 14-16; Spring National-DC early March)

Ideas from National Meeting in DC:

Database of researchers looking for Undergraduates  
Aerospace Scholars Program for Community Colleges—available online  
National Lab Day - website

Do we want to fund international travel? Should we do it on a case-by-case basis?

The following are in the works:

Undergraduate Fall Senior Design Competition – Fall 2010  
WSSU Summer Research Experience – Currently ongoing  
Tribal College – Would like to meet with them, Suki will talk to them  
Multi-cultural Affairs seminars – held two times a year during the academic school year  
Education Resource Center (ERC) – is updating materials and will serve K-12 professional development  
Still trying to get Northwest College involved, maybe we need a personal contact?  
Try contacting the UW Outreach Coordinator in Powell  
We will be working on the Reviewer Grade Sheets this summer with the hopes of implementing a scoring system. Any input would be appreciated.  
The website has been updated, please give us feedback

We would like to start a Wyoming Aerospace Scholars Program—will work on that over the next year

As for CC STEM disbursements – just use general enrollment numbers (FTEs)—too many inconsistencies when we tried to get numbers for CC STEM majors at each college

Casper Planetarium would like program funding again—attending members decided we will fund

The Summer of Innovation – we will need to hire about 40 teachers quickly  
Thank you for all of your help with the Summer of Innovation proposal.  
We will need 3 Undergraduates at each community college (hopefully STEM majors). Need to hire a Program Coordinator for each site – Lorna is interested for EWC

The Community College Transfer Scholarships deadline is June 4<sup>th</sup> – Hope to have decisions by mid-June

The WSSU Research Experience deadline is May 1<sup>st</sup> – Hope to have decisions by early May

Should we move the Education Enhancement Grants deadline back? Yes and then shorten the turn-around time. The middle of May or even the middle of April so that decisions are made and notifications sent by the 1<sup>st</sup> of June. After Spring Break would work best—give people time over the break to work on proposals.

We'd like to start offering travel grants to scientific conferences instead of funding grant writing training/workshops, which tend to not be effective.

We would like to update and create some new Space Trunks. Maybe we could partner with UPS or FedEx to help fund the shipment costs of sending the trunks around the State. They could donate services vs. cash—“Official Space Trunk Carrier”. Trunks could be housed at ERC to make them more accessible to teachers. WY Museum has history trunks that may provide ideas for new trunks.

We would like to find more specific ways to develop opportunities for K-12 development:

- State curriculum

- MST Program

- Determine how what we can offer will help with testing and students PAWS scores?

- Johnson Space Center Conference in February – teachers present at conference for free – we could assist with travel

- Help teachers attend NSTA with small travel grants

- Pay substitutes when teachers go to training/conferences

- Get schools more involved in Robotics

- Aerospace Scholars Program

- Informal education and funding assistance

- Space Shuttle display

- Star Parties at target locations, utilizing affiliates and community colleges

## **FY2010 Budget**

FY2010-

This is year 5 of our grant. We were granted a 1-year no cost extension for unspent funds. For FY2010 we have submitted a 5-year budget plan with a 1-year detailed budget. We are hoping to hear about our next 5 year cycle of funding soon.

Reimbursements-

Please turn in your receipts, mileage will be calculated using MapQuest