

**Draft Minutes**  
**NATIONAL COUNCIL OF SPACE GRANT DIRECTORS**  
**2005 Fall Meeting**  
**October 27-29, 2005**  
**Cocoa Beach, FL**

**Friday, 28 October, 2005**

**Opening and Welcome:** John Gregory (AL), Chair NCSGD, welcomed the group and emphasized the importance of having various list serves up to date.

**Welcome from the FL Space Grant Consortium:** Jaydeep Mukherjee (FL) welcomed the group and made several announcements related to the meeting.

**Introduction of new Space Grant Personnel:** Michele Stark (Associate Director, WY), Mark Fischer (Program Coordinator, NC), Susan Wailer (Office Coordinator, WI), Marcia Rei Sistoso (Program Coordinator, HI), James Flaten (Associate Director, MN), Lorene Stitzer (Program Coordinator, PA), Erica Miles (Program Coordinator, NY), Michaela Schaff (Associate Director, NB), Melissa Wurdeman (Program Coordinator, NB), Mayra Martinez (Program Coordinator, PR), Cindy Pendley (Program Coordinator, GA).

**Treasurer's Report:** Peter Sukanek (MS) presented the Treasurer's Report (attached). The report was unanimously accepted by the Directors on a voice vote.

**Secretary's Report:** Bill Garrard (MN) presented the Minutes of the March NCSGD Meeting in Washington, DC. The minutes were unanimously accepted by the Directors on a voice vote.

**National Program: Current Status:** Diane Detroye, Manager, Space Grant Program, NASA Hq. introduced several attendees from NASA and NASA contractors and then reviewed the status of the Space Grant Program. Diane emphasized the agency priority for implementing the vision for space exploration including the Lunar and Mars Programs. She reviewed the refocused educational priorities to support this vision. These included workforce development, strengthening the pipeline, and public advocacy. Diane emphasized the importance of supporting the Explorer Schools and connections with schools of education. She indicated the importance of competitiveness in scholarships, fellowships, and research and of collecting, analyzing and reporting longitudinal data on individuals supported by Space Grant.

**State of Florida and SPACE:** Captain Winston Scott, Executive Director of the Florida Space Authority, reviewed the activities of this agency.

**The National Student Satellite Program:** Bill Hiscock (MT) provided an overview of the national program. Chris Koehler (CO) described the 2005 Boulder Workshop and the Space Hardware Workshop to be held July 12-15, 2006 in Boulder, CO (see [spacegrant.colorado.edu/studentsat](http://spacegrant.colorado.edu/studentsat)). Georgia Richardson, University of Alabama Huntsville and Dave Klumpar of Montana State discussed the large balloon experience. John Wefel (LA) described the High Altitude Student Platform (HASP) flight opportunity and the PACER (Physics & Aerospace Catalysis Experiences in Research -- Minority Focus) balloon project, and Eric Knight (UP Aerospace) and Peter Shultz (RI) discussed advanced rocketry programs.

**Deep Impact Program:** Peter Shultz (RI) gave a presentation on the Deep Impact Program.

**The National Space Grant Foundation:** Bill Byrd's (IA) resignation as President was announced. Keith Hudson (AK) is Acting President and Shan DaSilva (ND) was appointed as a new member of the Board. Keith reviewed the status of the Foundation and Dick Henry (Foundation Treasurer, MD), presented the Treasurer's Report.

**FAA University Design Competition:** Mary Sandy (VA) described a student design competition sponsored by the FAA

**Enterprise Breakout Sessions:** The following sessions were held

1. Science (Julie Lutz and Lisa Brown)
2. Aeronautics (Dave Downing)
3. Space Operations (Jay Staker)
4. Exploration Systems (Wally Fowler and Chris Brown)

### **Saturday, 29 October, 2005**

**Space Grant Coordinators' Meeting:** Diane Detroye, Susan Stewart, and Jackie Reasoner discussed various aspects of Consortium management.

**Election:** Jaydeep Mukherjee (FL) was nominated to fill a vacancy in the Council Executive Committee until 2006 and was elected unanimously on a voice vote of the Directors.

**NASA Academy and Internships:** Dave Rosage reviewed the 2005 program. He indicated that a Diversity Recruitment Committee of Academy Alumni has been formed. In 2006 housing will be provided for all participants and better matching of students and mentors will be provided. There will be cost sharing with mentors. State Consortia will provide \$3500 of the \$4000 stipend plus round trip airfare. A unified application system for the Glenn, Goddard, and Marshall will be in place for 2006. Mike Freeman spoke about the Intern Program at Marshall.

**Explorer Schools:** Leah Bug-Townsend, Explorer School Coordinator, ([leah.bug@nasa.gov](mailto:leah.bug@nasa.gov)), introduced herself and discussed the Explorer School Program.

**Mars Gravity Bio-Sat Program:** Thaddeus Fulford-Jones of MIT discussed this program.

**Spaceflight Bio-reactor:** Kevin Simmons of Tekna-Theos Inc. reviewed this program.

**EPSCOR Meeting:** A meeting of Directors from EPSCOR eligible states was presented.

**Zero G:** Robert Wood of Zero G Corp. discussed opportunities for reduced gravity flight.

**Pioneer Cup:** Paul Altier of the Florida Space Authority presented on this subject.

### **Future Meetings**

1. 2006 Spring Directors' Meeting in DC: Megan Kemble (DC) and Eric Day (DC) announced the meeting will be at the Marriott Gateway, Crystal City, March 15-18, 2006
2. 2006 Fall Directors' Meeting in New York City: Elizabeth Humbert (NY) announced the meeting will be held October 26-28, 2006 in New York City. It is very important that all participants stay at the conference hotel.

**Hybrid Rocket Program:** John Gregory (AL) reviewed the UAH hybrid rocket program.

**Adjournment:** Meeting was adjourned.

Sl. #	Type	FirstName	LastName	Organization
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<b>REGISTERED CONFERENCE ATTENDEES</b>				
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1	Attendee	William	Lakin	Vermont Space Grant Consortium
2	Attendee	Chris	Brown	North Carolina Space Grant
3	Attendee	Diane	Jeffers	Illinois Space Grant Consortium
4	Attendee	Philippe	Geubelle	Illinois Space Grant Consortium
5	Attendee	Patricia	Hynes	New Mexico Space Grant
6	Attendee	Shan	de Silva	North Dakota Space Grant
7	Attendee	Laurel	Zeno	Vermont Space Grant Consortium
8	Attendee	Suzette Rene	Bieri	North Dakota Space Grant
9	Attendee	Richard Conn	Henry	Maryland Space Grant Consortium
10	Attendee	Jean	Teasdale	Idaho Space Grant Consortium
11	Attendee	April	Christenson	Idaho Space Grant Consortium
12	Attendee	David	Downing	Kansas Space Grant Consortium
13	Attendee	David	Atkinson	Idaho Space Grant Consortium
14	Attendee	Becky	Highfill	Idaho Space Grant Consortium
15	Attendee	Majid	Jaraiedi	West Virginia Space Grant
16	Attendee	Anne	Anikis	Maryland Space Grant Consortium
17	Attendee	Jaydeep	Mukherjee	Florida
18	Attendee	Sreela	Mallick	Florida Space Grant Consortium
19	Attendee	Thomas	Durkin	South Dakota SGC
20	Attendee	Richard	Hale	Kansas Space Grant Consortium
21	Attendee	Doran	Baker	Rocky Mountain Consortium
22	Attendee	Dwayne	Westenskow	Rocky Mountain Consortium
23	Attendee	Donna	Minton	Montana Space Grant Consortium
24	Attendee	Tara	Scozzaro	SC Space Grant/SC NASA EPSCoR
25	Attendee	Mitchell	Colgan	SC Space Grant/SC NASA EPSCoR
26	Attendee	Peter	Sukanek	Mississippi Space Grant
27	Attendee	Michelle	Smith	Oklahoma NASA Space Grant
28	Attendee	Christopher	Koehler	Colorado Space Grant Consortium
29	Attendee	Melissa	Wurdeman	NASA Nebraska Space Grant
30	Attendee	Michaela	Schaaf	NASA Nebraska Space Grant
31	Attendee	Brent	Bowen	NASA Nebraska Space Grant
32	Attendee	Keith	Hudson	Arkansas Space Grant Consortium
33	Attendee	Sue	Hawkins	Arkansas Space Grant Consortium
34	Attendee	Pat	Sipes	Arkansas Space Grant Consortium
35	Attendee	Margaret	Schaaf	Mississippi Space Grant Consortium
36	Attendee	Hewei	Sun	Oklahoma NASA Space Grant
37	Attendee	Barrett	Caldwell	Indiana Space Grant Consortium
38	Attendee	Monica	Bauer	Indiana Space Grant Consortium
39	Attendee	Bonnie	Bryant	University of Michigan
40	Attendee	Thelma	Wallace	Oklahoma Space Grant Consortium
41	Attendee	Victoria	Snowden	Oklahoma Space Grant Consortium
42	Attendee	Randy	Averso	Oklahoma Space Grant Consortium
43	Attendee	Mary John	O'Hair	Oklahoma Space Grant Consortium
44	Attendee	Alvin	Strauss	TN Space Grant
45	Attendee	Carmen	Fuchs	Iowa Space Grant Consortium

46	Attendee	Sharon	Brandt	Wisconsin Space Grant Consortium
47	Attendee	R. Aileen	Yingst	Wisconsin Space Grant Consortium
48	Attendee	Wallace	Fowler	Texas Space grant Consortium
49	Attendee	Jay	Staker	Iowa Space Grant Consortium
50	Attendee	Vicki	Speake	Iowa Space Grant Consortium
51	Attendee	Talia	Jurgens	Texas Space grant Consortium
52	Attendee	Marcia	Sistoso	Hawaii Space Grant Consortium
53	Attendee	Luke	Flynn	Hawaii Space Grant
54	Attendee	Susan	Stewart	DB Consulting Group, Inc.
55	Attendee	Lisa	Brown	Pennsylvania Space Grant
56	Attendee	William	Garrard	Minnesota Space Grant Consortium
57	Attendee	Sara Elizabeth	Humbert	NY Space Grant
58	Attendee	Chris	Carter	Virginia Space Grant Consortium
59	Attendee	Lorene	Stitzer	Pennsylvania Space Grant
60	Attendee	Kenneth	De Witt	Ohio Space Grant Consortium
61	Attendee	Laura	Stacko	Ohio Space Grant Consortium
62	Attendee	Susan	Weiler	Wisconsin Space Grant
63	Attendee	Katherine	Pruzan	NASA HQ - Space Grant
64	Attendee	Thomas	O'Neal	University of Central Florida
65	Attendee	Mayra	Martínez	Puerto Rico Space Grant
66	Attendee	Gerardo	Morell	Puerto Rico Space Grant
67	Attendee	Angela	Phelps	Pennsylvania Space Grant Cons.
68	Attendee	Fred	DeJarnette	North Carolina Space Grant
69	Attendee	Catherine	Lanier	Oregon Space Grant
70	Attendee	Shirley	Campbell	Oregon Space Grant
71	Attendee	Julie	Lutz	Washington NASA Space Grant
72	Attendee	John	Companion	Virginia Space Grant Consortium
73	Attendee	Dorene	Jackson	NASA
74	Attendee	John	Wefel	LaSPACE -- Louisiana Space
75	Attendee	Penny	Haskins	Florida Space Grant Consortium
76	Attendee	Candy	Ramsey	WV Space Grant Consortium
77	Attendee	Mark	Fischer	North Carolina Space Grant
78	Attendee	Jackie	Reasoner	Alabama Space Grant Consortium
79	Attendee	Michele	Stark	Wyoming NASA Space Grant
80	Attendee	Paul	Johnson	Wyoming Space Grant Consortium
81	Attendee	Alec	Gallimore	Michigan SGC & University of MI
82	Attendee	Yogendra	Kakad	North Carolina Space Grant
83	Attendee	Jack	Higginbotham	Oregon Space Grant
84	Attendee	Clara	Kustra	New Hampshire Space Grant
85	Attendee	Mohammad	ILYAS	Florida Atlantic University
86	Attendee	David	Bartlett	New Hampshire Space Grant
87	Attendee	Antoinette	Galvin	New Hampshire Space Grant
88	Attendee	Peter H.	Schultz	Rhode Island Space Grant
89	Attendee	Dorcas	Metcalf	NASA RI Space Grant Consortium
90	Attendee	Warfield	Teague	NASA/Hendrix College
91	Attendee	Edward	Duke	South Dakota Space Grant
92	Attendee	Clarice	Koby	Montana Space Grant Consortium
93	Attendee	William	Hiscock	Montana Space Grant Consortium
94	Attendee	Anthony	Docal	Georgia Space grant Consortium
95	Attendee	Stephen	Haug	Missouri Space Grant Consortium

96	Attendee	David	Dunn	AMF
97	Attendee	Mary	Sandy	Virginia Space Grant Consortium
98	Attendee	Ellie Weiss	Rosenbloom	Tennessee Space Grant Consortium
99	Attendee	Michael	Wiskerchen	California
100	Attendee	John	Gregory	Alabama SGC
101	Attendee	James	Flaten	Minnesota Space Grant Consortium
102	Attendee	Eric	Knight	UP Aerospace Inc.
103	Attendee	Elsie	Matthews	UP Aerospace Inc.
104	Attendee	Wanda	Pierson	Georgia Space Grant Consortium
105	Attendee	Irene	Xavier	California
106	Attendee	Jeffrey	Hoffman	Massachusetts Space Grant
107	Attendee	Sandra	VanderHeyden	University of West Florida
108	Attendee	Richard	Hackney	Kentucky Space Grant Consortium
109	Attendee	Karen	Hackney	Kentucky Space Grant Consortium
110	Attendee	Joseph	Miles	New Jersey Space Grant
111	Attendee	Haim	Baruh	New Jersey Space Grant
112	Attendee	Georgia	Richardson	Alabama Space Grant Consortium
113	Attendee	Diane	DeTroye	NASA HQ
114	Attendee	L Michael	Freeman	NASA Marshall Space Flight Center
115	Attendee	Larry	Bilbrough	NASA Headquarters
116	Attendee	Jeanne	Finstein	West Virginia Space Grant
117	Attendee	Dale	Stansbury	NSGF/NASA Education Associates
118	Attendee	Megan	Kemble	DC Space Grant Consortium
119	Attendee	Eric	Day	DC Space Grant Consortium
120	Attendee	Raju	Patel	MA Space Grant
121	Attendee	Rebecca	Lees	Alaska Space Grant Program
122	Attendee	Harpal	Dhillon	Oklahoma Space Grant
123	Attendee	Neal	Brown	Alaska Space Grant Program
124	Attendee	Andy	Arena	Oklahoma
125	Attendee	Kenneth	Wantz	Oklahoma Space Grant Consortium
126	Attendee	Cindy	Pendley	Georgia Space Grant Consortium
127	Attendee	Susan	Brew	Arizona Space Grant
128	Attendee	Kristin	Horan	Space Research Tech Institute
129	Attendee	Nancy	Paiva	Oklahoma Space Grant
130	Attendee	Jennifer	Skaja	Florida Space Authority
131	Attendee	Terry	Shehata	Maine Space Grant Consortium
132	Attendee	Sandy	Sage	Maine Space Grant Consortium
133	Attendee	Brad	Weiner	University of Puerto Rico
134	Attendee	Christian	Fritsen	Desert Research Institute
135	Attendee	Bob	Walch	Colorado Space Grant Consortium
136	Attendee	David	Klumpar	Montana Space Grant Consortium
137	Attendee	Anthony	Gannon	Florida Space Authority
138	Attendee	Matthew	Hegler	Florida Space Authority
139	Attendee	Andrea	Adkins	University of Central Florida
140	Attendee	David	Rosage	NASA/Goddard Space Flight Center
141	Attendee	Leah	Bug-Townsend	NASA Explorer Schools
142	Attendee	David	Smith	GA Space Grant Consortium
143	Attendee	Dermott	Mullan	Delaware Space Grant
144	Attendee	Sherry	Rowland Perry	Delaware Space Grant
145	Attendee	Hortense	Burt	NASA KSC

### GUESTS OF CONFERENCE ATTENDEES

147	Guest	Laurel Zeno	Lewis E.	Zeno	VT Space Grant Consortium
148	Guest	Thomas Durkin	Cathy	Durkin	South Dakota Space Grant
149	Guest	Thomas Durkin	Mary	Durkin	South Dakota Space Grant
150	Guest	Doran Baker	Kathy	Baker	Rocky Mountain Consortium
151	Guest	Tara Scozzaro	Sarah	Whetstone	SC Space Grant/SC NASA EPSCoR
152	Guest	Keith Hudson	Angela	Hudson	Arkansas Space Grant Consortium
153	Guest	Sue Hawkins	Alton (Al)	Hawkins	Arkansas Space Grant Consortium
154	Guest	Pat Sipes	Bill	Sipes	Arkansas Space Grant Consortium
155	Guest	Alvin Strauss	Joan	Strauss	Tennessee Space Grant
156	Guest	Vicki Speake	Amanda	Speake	Iowa Space Grant Consortium
157	Guest	Jay Staker	Dea	Staker	Iowa Space Grant Consortium
158	Guest	Talia Jurgens	Alex	Borders	Texas Space Grant
159	Guest	Susan Weiler	Mary	Paul	Wisconsin Space Grant Consortium
160	Guest	Susan Weiler	Emily	Paul	Wisconsin Space Grant Consortium
161	Guest	John Wefel	Sandra	Wefel	Louisiana Space Consortium
162	Guest	Majid Jaraiedi	Nunush	Jaraiedi	WV Space Grant Consortium
163	Guest	Candy Ramsey	Kevin	Cordwell	WV Space Grant Consortium
164	Guest	Jeanne Finstein	Melvin	Finstein	WV Space Grant Consortium
165	Guest	Clara Kustra	George	Kustra	New Hampshire Space Grant
166	Guest	Pat Hynes	Ted	Hynes	New Mexico Space Grant
167	Guest	Fred DeJarnette	Nadene	DeJarnette	North Carolina Space Grant
168	Guest	Karen Hackney	Andrew	Hackney	Kentucky Space Grant Consortium
169	Guest	Dorcas Metcalf	Phelan	Pierce	Rhode Island Space Grant
170	Guest	Raju Patel	Anthony	Duggins	MA Space Grant
171	Guest	Rebecca Lees	Sandy	Benson	Alaska Space Grant
172	Guest	Neal Brown	Fran	Tannian	Alaska Space Grant
173	Guest	Susan Brew	Bettie	Andersen	Arizona Space Grant
174	Guest	Chris Koehler	Andrea	Koehler	Colorado Space Grant
175	Guest	Michaela Schaaf	Ronnie	Solomon	Nebraska Space Grant
176	Guest	Michaela Schaaf	Scotty	Solomon	Nebraska Space Grant
177	Guest	Raju Patel	Thaddeus	Fulford-Jones	MIT
178	Guest	Sculley	Maria	Petersen	SAS Games Inc.
179	Guest	Sherry Rowland Perry	Tom	Perry	Delaware Space grant

### CONFERENCE EXHIBITORS

180	Attendee	Exhibitor	Steven	Sculley	SAS Games Inc.
181	Attendee	Exhibitor (A)	Paul	Altier	Florida Space Authority
182	Attendee	Exhibitor	Robert	Ward	ZERO-G
183	Attendee	Exhibitor (A)	Robert	Crabbs	Florida Space Institute
184	Attendee	Exhibitor (A)	Dale	Ketchum	Space Research Technology Institute
185	Attendee	Exhibitor	Wesley	Kowalczyk	Exhibitor-Arthur Machinery, Inc.