

**National Council of Space Grant Directors Meeting
Washington, DC
March 2004**

Wednesday, March 24, 2004

Opening - Bill Hiscock (MT) called the meeting to order at 1:15 PM

Welcome from Host - Richard Berendzen (DC) welcomed the participants.

Minutes From March 2003 Meeting – Mark Fischer (TX) presented the minutes from the National Directors Meeting in Wichita, KS in October 2003.

Treasurer’s Report – Peter Sukanek (MS) presented the Council budget.

Council Bylaws Discussion – Bill Hiscock (MT) lead a discussion of inconsistencies in the Council Charter and Bylaws.

A motion was proposed and passed to form a Charter and Bylaws Review Committee. The committee is charged to review the Charter and Bylaws and recommend changes at the Fall 04 meeting. The committee will be comprised of Bill Byrd (IA), Bill Garrard (MN), Jack Higginbotham (OR), Brent Bowen (NE), and Alvin Strauss (TN).

A motion was proposed and passed to continue to allow non-directors to server as chairs of working groups.

Introduction of New Space Grant Personnel - Rick Gail (KS) – Associate Director, Michelle Smith (), Terry Flower (MI) – Associate Director, Margaret Chaft (MS) – Program Coordinator, Kytherne Lanier () – Assistant Director, Chris Brown (NC) Associate Director, Edwin Mannis () – Coordinator

The Higher Education Division at Code N – Dr. Brad Weiner (Director, Division of Higher Education, Education Enterprise - NASA HQ) presented an overview of the Higher Education Division. 4 Challenges for SG: 1) Align with the Exploration Vision, 2) Bridge the gaps in the pipeline, 3) Help implement strategic “Pathfinder” initiatives, and 4) Keep working with us.

Space Science Diversity Workshop – Chicago 2004 – Dr. Phillip Sakimoto (Office of Space Science Education Enterprise Manager – NASA HQ) presented on the Space Science Diversity Workshop that is designed to bring together minority scientists, NASA personnel, and current OSS-funded scientists. SG Challenge: 1) Personally invite minority scientists involved in OSS research to attend the workshop, and 2) Partial travel support.

The THEMIS MIDEX Mission and its E/PO Program – Dr. Nahide Craig (Space Sciences Lab, UC Berkeley). This E/PO effort is placing magnetometer in K-12 schools.

Space Grant Involvement in THEMIS E/PO – Michelle Larson (Montana) discussed how Space Grant got involved in this E/PO effort.

The Council meeting was adjourned for the day at 3 PM

Friday, March 26, 2004

Opening – Bill Hiscock (Montana) called the meeting to order at 8:43 AM

The New Exploration Initiative – Brant Sponberg (Program Manager, Office of Exploration Systems, NASA HQ) presented information on the New Exploration Initiative. A sustained and affordable human and robotic program to explore the solar system and beyond. Centennial Challenges highlighted.

Space Grant Headquarters Report – Diane DeTroy (Acting Manager, Space Grant and EPSCoR Programs, NASA HQ) presented an update on the Space Grant program from NASA HQ.

The Engineer of 2020: Engineering Education in the New Century – Dr. Patricia Mead (National Academy of Engineering) There will be a National Summit this summer in July.

Capabilities and Services of the Hispanic College Fund – J. Fern Barrueta (Hispanic College Fund) discussed ways that they identify Hispanic students for scholarships.

Lunch Break @ 11:48 AM

The Council resumed its meeting at 1:56 PM

The motion was presented and passed that the chair may express to Dr. Loston the Council's desire to support the pathfinder initiatives.

To Fly: A Student Satellite Mars Mission

Mars Exploration Connection Update - Mike Drake (AZ) presented a history of the Crawl, Walk, Run, and Fly Space Grant program. He focused on the development of a student lead, national program to design, build and fly a satellite to Mars.

Call for Concepts and Ideas for National Level Expansion – Bill Hiscock (MT) placed a call before the council to contribute ideas on how this program can be expanded nationally.

MIMIC Workforce Project – Melissa Wallace (AZ) and Jeff Cheek (AZ) presented information on the Magnetic Field Investigation of Mars by Interacting Consortia (MIMIC) project. The student led design, construction, launch, and operation of a Mars satellite.

Council Elections – Brent Bowen (NE) conducted elections for the council. Erian Armanios (GA), Jack Higginbotham (OR), and Bill Garrard (MN) were elected to the Council Board of Directors. John Gregory (AL) was elected Chair of the Council. Jean Teasdale (ID) and Brent Bowen (NE) were elected to the Nominating committee.

Reorganization of Enterprise Working Groups – Bill Hiscock (MT) discussed the reorganization of the working groups due to the addition of the Exploration Enterprise.

Enterprise Working Group Meetings

Enterprise Working Group Reports

Aeronautics – David Downing (KS) Chair

BPR – Chris Brown (NC) Chair

Earth Science – Lisa Brown (PA) Chair

Exploration – Wallace Fowler (TX) Chair

Space Flight – Bill Byrd (IA) presented. Mark Fischer (TX) Chair

Space Science – Yervant Terazian (NY) presented. Julie Lutz (WA) Chair

There was a motion for the Council to write the following letter to Ed Weiler (Associate Administrator – NASA HQ Code S) in support of the Hubble Space Telescope.

The National Council of Space Grant Directors recognizes the superb cutting-edge astronomical service that the Hubble Space Telescope should continue to provide over the coming years. We urge NASA to find ways to extend the HST lifetime as long as possible within the context of astronaut safety to ensure that this science is captured.

A motion was made and passed to table the previous Hubble Support Letter motion.

The Council meeting was adjourned for the day at 5:12 PM

Saturday, March 27, 2004

Opening – Bill Hiscock (MT) called the meeting to order at 8:34 AM

Space Grant Foundation Update – Bill Byrd (IA) presented information about the National Space Grant Foundation. The presentation included the following: Treasures Report – Dick Henry (MD), USRP Update – Mary Sandy (VA), Other Program Updates, NSGF Partnership with the Space Exploration 2005 conference, TiViTz game, Pathevo Software – Dick

Henry (MD), and other Foundation activities. The full presentation will be available on the Foundation's website (<http://www.spacegrant.org/>).

Starting Student Space Hardware Programs III Workshop and Student Program Symposium – Chris Koehler (CO) presented information about the upcoming Starting Student Space Hardware Programs: A How-To Workshop June 17-19, 2004 and Symposium June 21, 2004.

Botball at Gallaudet University – David Snyder (DC) introduced the Botball program at Gallaudet University. S Gore (Gallaudet University) and S Smith (Gallaudet University) presented their experiences with Botball robotic competition. The Botball robots are built by the students out of Legos and are controlled through computer programs to perform a specified task.

Fall 2004 National Space Grant Council Meeting Preview – Mike Wiskerchen (CA) and Linda Rodgers (NASA JPL) presented information about the Fall 2004 Nation Meeting in Pasadena, California which will be held on October 20-23, 2004. The theme of the meeting will be “Forming Human Capital Partnerships with NASA”.

NASA's Education Enterprise – Dr Adena Loston (Associate Administrator, Education Enterprise – NASA HQ) presented an update on the Education Enterprise.

Exploring Mars – Dr James Garvin (NASA Lead Scientist for Mars and Lunar Exploration, Office of Space Science – NASA HQ)

Final Council Business – Bill Hiscock (MT)

List of Attendees