

**APPROVED MINUTES¹
OPEN SESSION
405TH MEETING
NATIONAL SCIENCE BOARD**

National Science Foundation
Arlington, Virginia
August 12-13, 2008

Members Present:

Steven C. Beering, Chairman
Patricia D. Galloway, Vice Chairman
Mark R. Abbott
Dan E. Arvizu
Barry C. Barish*
John T. Bruer
Kelvin K. Droegemeier
Kenneth M. Ford*
José-Marie Griffiths
Louis J. Lanzerotti
Alan I. Leshner
Douglas D. Randall*
Arthur K. Reilly
Jon C. Strauss
Kathryn D. Sullivan
Thomas N. Taylor

Arden L. Bement, Jr., *ex officio*

Members Absent:

G. Wayne Clough
Richard F. Thompson

¹ The minutes of the 405th meeting were approved by the Board at the September 2008 meeting.

* Consultant, outgoing Class of 2008

The National Science Board (Board, NSB) convened in Open Session at 1:00 p.m. on Tuesday, August 12, 2008 with Dr. Steven Beering, Chairman, presiding (Agenda NSB-08-66, Board Book page 217). In accordance with the Government in the Sunshine Act, this portion of the meeting was open to the public.

AGENDA ITEM 1: Presentation by Honorary Award Recipient, Mr. Norman Augustine

Mr. Norman Augustine, recipient of the 2008 Vannevar Bush Award and retired Chairman and Chief Executive Office of the Lockheed Martin Corporation, made a presentation to the Board.

Dr. Beering adjourned this portion of the Open Session at 1:40 p.m. Other items for the Open Session would be addressed the following day, Wednesday, August 13, 2008.

The Board reconvened in Open Session at 2:30 p.m. on Wednesday, August 13, 2008 with Dr. Beering presiding (Agenda NSB-08-66, Board Book page 217). In accordance with the Government in the Sunshine Act, this portion of the meeting was open to the public.

AGENDA ITEM 7: Approval of Open Session Minutes, May 2008

The Board unanimously APPROVED the Open Session minutes of the May 2008 Board meeting (NSB-08-58, Board Book page 245).

AGENDA ITEM 8: Closed Session Items for September 2008

The Board unanimously APPROVED the Closed Session items for the September 22-23, 2008 meeting (NSB-08-67, Board Book page 257).

AGENDA ITEM 9: Chairman's Report

Dr. Beering reported on several issues:

a. Election of Executive Committee Member

Dr. Beering reported that in Plenary Executive Closed Session, the Board elected Dr. Kathryn Sullivan to serve as a member of the Executive Committee from 2008 to 2009, replacing Dr. Patricia Galloway who was elected as Vice Chairman in May 2008.

b. Board Member Recognition

Dr. Beering recognized Dr. Dan Arvizu who received a lifetime contribution award from the World Renewable Energy Congress at its conference held in Glasgow, Scotland in July 2008. He was the first recipient of this special award in recognition of his many years of leadership in renewable energy.

c. NSB Office Staff Announcements

Dr. Russell Moy, Senior Policy Analyst and Attorney-Advisor, accepted a position in June 2008 as Senior Advisor and General Counsel for the Southeastern Universities Research Association. The Board appreciates his dedication over the past 3 years. Mr. Larry Rudolph, NSF General Counsel, and his office, will continue to handle the legal matters for the Board.

Ms. Kim Silverman joined the Board Office in July 2008 as a Program Manager and Writer-Editor. She previously served as the Program Manager of the Antarctic Artists and Writers Program and the Office of Polar Programs (OPP) Outreach Coordinator. She will be editing NSB public documents and maintaining public presentations on Board topics for use by Board Members. She designed the cover of the new Board Book and NSB Newsletter.

Two Board Office staff are on detail from other parts of the Foundation: Dr. Barbara Ransom, from the Directorate for Geosciences (GEO) - an expert in geology, oceanography, and nanoscience - to assist with the Task Force on Sustainable Energy and the report on limiting proposals to Congress. Also, Ms. Beverly Sherman, from the Division of Information Systems (DIS), to coordinate the logistics for the upcoming Board meeting in Alaska in September 2008.

d. NSF Authorization Act of 2002, Section 14

Dr. Beering reported that the NSF Authorization Act of 2002, Section 14 requires that the Board report to Congress any delegations of authority, by September 15 each year, related to the use of the Major Research Equipment and Facilities (MREFC) construction account. There had been no delegation of authority related to MREFC during the last year.

e. Gifts to the Board

At the request of Dr. Galloway, Vice Chairman, the NSF General Counsel wrote a memo to the Board regarding gifts to NSB for the trust fund. Generally, gifts should not be solicited or accepted from a source that does business with or seeks to do business with NSF. Donations from for-profit companies not doing business with NSF may be accepted only to the extent that the donations are consistent with generally accepted public standards. In the past, the Board solicited gifts from private individuals and charitable foundations.

f. Board Meeting Calendar for 2009

Dr. Beering presented the proposed 2009 calendar for Board meeting dates (NSB-08-70, Board Book page 271). In developing these meeting dates, the Board Office considered the work of the *ad hoc* group on NSB meeting recommendations together with a variety of constraints during the

year; such as holidays, professional meetings, statutory requirements, and the availability of Board Members. Additionally, the meeting calendar was based on the need for development and approval of the FY 2010 and FY 2011 budgets. The meeting dates were selected so that no Board Member would miss more than one meeting while maximizing attendance of Board Members at each meeting.

The Board unanimously APPROVED the Board meeting calendar for 2009 (NSB-08-70) (Appendix).

g. Committee Announcements

The Board Chairman discharged the *ad hoc* Committee on Nominating for NSB Elections, informally known as the Elections Committee, with thanks to Dr. Kelvin Droegemeier, chairman, and Drs. Douglas Randall, Thomas Taylor, and Richard Thompson.

He announced the members of the Task Force on the NSB 60th Anniversary, which was established at the May 2008 meeting, Dr. Patricia Galloway, chairman, and Drs. Camilla Benbow, John Bruer, José-Marie Griffiths, Douglas Randall, Kathryn Sullivan, and Thomas Taylor.

Dr. Beering established the *ad hoc* Committee on Nominations for NSB Class of 2010 – 2016, informally known as the Nominations Committee. Dr. Alan Leshner will be the committee chairman, and members of this committee will be appointed by the next Board meeting.

Lastly, he established the *ad hoc* Committee for the Vannevar Bush Award with Dr. Sullivan as chairman. Members of this committee will be appointed by the next Board meeting.

Dr. Beering thanked all Board Members for their willingness to participate in these special assignments.

h. Congressional Testimony

On June 26, 2008, Dr. Kelvin Droegemeier, former co-chairman of the NSB Task Force on Hurricane Science and Engineering, testified before the Subcommittee on Energy and Environment, and Subcommittee on Research and Science Education, U.S. House of Representatives Committee on Science and Technology, along with several other witnesses, regarding the State of Hurricane Research and H.R. 2407, the National Hurricane Research Initiative Act of 2007.

AGENDA ITEM 10: Director's Report

Dr. Arden Bement, Jr., NSF Director, reported on the following items:

a. NSF Staff Recognition

Dr. Cora Marrett, Assistant director NSF Directorate for Education and Human Resources (NSF EHR), received the 2008 American Sociological Association's Cox-Johnson-Frazier Award. Created in 1971, the award honors the intellectual traditions and contributions of Oliver Cox, Charles S. Johnson, and E. Franklin Frazier. The award is given annually to either a sociologist for a lifetime of research, teaching, and service to the community or to an academic institution for its work in assisting the development of scholarly efforts in this tradition.

Ms. Joanna Rom, Deputy Director, Office of Budget, Finance, and Award Management (BFA), was awarded the National Council of University Research Administrator's Joseph F. Carrabino Award for 2008, in recognition of her significant contributions to research administration, particularly with the Federal Demonstration Partnership and with NSF and Government-wide policy streamlining and development.

Mr. Thomas Cooley, NSF Chief Financial Officer, was awarded the Association of Government Accountants 2008 National President's Award for his leadership as co-chairman of the Partnership for Intergovernmental Management and Accountability.

b. NSF Staff Introductions

Dr. James H. Wyche, Division Director, Division of Human Resource Development, NSF EHR, joined NSF on June 8, 2008. Dr. Wyche came to NSF from PanCagen, Inc., where he served as the Chief Executive Officer and Principal Scientist and as a Biotechnology Council Member at the Gerson Lehrman Group Councils. He received his Ph.D. in Biology from Johns Hopkins University.

Dr. Timothy Killeen, Assistant Director, GEO, joined NSF on July 1, 2008. Prior to joining NSF, he served as Director, National Center for Atmospheric Research and President of the American Geophysical Union. He was previously Professor of Atmospheric and Space Sciences, Associate Vice President for Research, and Director of the Space Physics Research Laboratory at the University of Michigan. He holds a Ph.D. in Atomic and Molecular Physics from University College of London.

Dr. Edward Seidel will join NSF on September 1, 2008 as Director, Office of Cyber-infrastructure (OCI). Dr. Seidel is the Floating Point Systems Professor in the Departments of Physics and Astronomy and Computer Science at Louisiana State University (LSU). He is also the Director of the LSU Center for Computation and Technology. He received his PhD in Relativistic Astrophysics from Yale University.

c. NSF Staff Departures

Dr. Marta Cehelsky, Senior Advisor, Office of Integrative Activities (OIA), left NSF on June 30, 2008. She looked after NSF interests with the National Council for Science and Technology where she served as Executive Secretary for that council for the Committee on Science. Dr. Cehelsky will serve as Vice President, University Research Associates.

Dr. Richard Buckius, Assistant Director, Directorate for Engineering (ENG) will leave NSF on September 1, 2008. He joined NSF from the University of Illinois in 2004 to serve as Division Director, Division of Chemical and Transport Systems (ENG), and became Assistant Director ENG in 2005. He will serve as Vice President for Research at Purdue University.

During Dr. Buckius' tenure, several unique programs emerged in addition to the national evolution of programs driven by the annual strategic planning process. He was responsible for increasing engineering success rate from 13 to 16 percent. He implemented the ENG reorganization (from five divisions to three) to better reflect the research structure in colleges and universities. Dr. Bement stated that Dr. Buckius had been a fine colleague and made many principal contributions, and earned the "mantra" in ENG for integrity of the Merit Review System and the value of data-driven decision making. Lastly, Dr. Bement stated that Dr. Buckius' leadership and knowledge were greatly appreciated by the entire Foundation.

d. *U.S. News & World Report* Science Section

The NSF Director reported that the Office of Legislative and Public Affairs (OLPA) created a partnership with *U.S. News & World Report*, one of three national news magazines, which allowed the magazine to hire a science editor and bring back its Science Section. Stories about NSF-funded science are included in the new Science Section each week. The editors of *U.S. News* worked with OLPA, under the leadership of Mr. Jeffrey Nesbit, to create a special edition and cover story called "Frontiers of Science" (August 4-11, 2008). The stories include interviews with more than a dozen NSF-funded scientists and researchers on a number of important science and engineering issues.

U.S. News & World Report launched a new Science Audio and Video Section on-line to coincide with the "Frontiers of Science" cover story, which includes NSF videos and audio. For example, OLPA created a 90-second radio podcast called "The Discovery Files," which are now included with the *U.S. News & World Report* section on podcasts. This partnership also serves as an example of NSF public outreach and media attention to science.

e. Congressional Update

Hearings

On July 16, 2008, Dr. Bement testified before the House Transportation and Infrastructure Subcommittee on Coast Guard and Maritime Transportation on U.S. icebreaking. Additionally, Admiral Thad Allen, Commandant of the U.S. Coast Guard, provided testimony on the Coast Guard's icebreaker needs, and Mr. Mead Treadwell, Chairman, U.S. Arctic Research Commission, along with Mr. James Weakley, President, Lake Carriers' Association, provided testimony on domestic icebreaking needs. NSF's message of the need for flexibility to meet its mission in both the Arctic and the Antarctic was well received.

Appropriations

June was a very good month for NSF as both the Senate and House Appropriations Committees provided NSF's full request for an increase of \$789 million, or 13 percent over last year's

appropriated levels. Congress is now expected to pass a Continuing Resolution to keep operating at the FY 2008 levels until perhaps as late as March 2009.

War Supplemental Bill

On June 30, 2008, the President signed the War Supplemental Bill into law, which included \$62.5 million for NSF. NSF's Research and Related Activities account received an additional \$22.5 million, of which \$5 million was designated for the Experimental Program to Stimulate Competitive Research (EPSCoR) program. NSF EHR received a total of \$40 million for the Robert Noyce Scholarship program.

AGENDA ITEM 11: Open Committee Reports

a. Executive Committee

Dr. Bement, EC chairman, reported that he gave the committee an update on the status of the searches for assistant directors for ENG and the Directorate for Social, Behavioral, and Economic Sciences (SBE). Searches are started 6 months prior to the staff member's departure.

He also provided an update on the planned investments for the \$62.5 million FY 2008 supplemental appropriation, which the President signed on June 30, 2008. Lastly, Dr. Bement briefed EC on NSF's support for the Human Frontier Science Program (HFSP) and the status of the contract supporting the Science and Technology Policy Institute (STPI). NSF will continue to support HFSP as requested by the Office of Science and Technology Policy (OSTP). NSF will renew the Federally Funded Research and Development Center contract with the Institute for Defense Analyses for the operation of STPI according to the Federal Acquisition Regulations requirements and with the concurrence of OSTP.

b. Audit and Oversight (A&O) Committee

Dr. Arvizu, A&O chairman, reported that Mr. Cooley was unable to attend the A&O meeting, but provided notes on the progress being made on the resolution of issues from the FY 2007 audit, and noted that the FY 2008 Financial Statement Audit was proceeding on schedule. With regard to the NSF internal controls processes, the program, sometimes referred to as "A-123," was on schedule for full implementation in FY 2008 as required by law.

Dr. David Spencer, chairman of the Advisory Committee for GPRA Performance Assessment (AC/GPA) reported on the committee's meeting of June 19-20, 2008. He reported significant achievements for three strategic outcome goals identified in the *Strategic Plan FY 2006 – 2011* - Discovery, Learning, and Research Infrastructure. Dr. Spencer also noted that NSF fully and satisfactorily responded to each recommendation made in the 2007 report. The advisory committee's 2008 report includes four recommendations to further improve the assessment process.

Mr. James Noeth, Deputy Associate Inspector General for Audits, Office of the Inspector General (OIG), presented the preliminary results of a series of audits conducted by OIG on labor-effort costs charged to NSF grants. The objective of the audits is to determine whether the methods used by some large institutional grant recipients to account for these costs are reliable, and if not, what would be the implications for the entire universe of NSF's labor effort costs, which approximate \$1.3 billion. Mr. Noeth reported that thus far the auditors have found that improvements are needed; mainly in the form of strengthened verification procedures, independent evaluations, better policies, and more attention paid to accounting for voluntary committed cost sharing. OIG is expected to prepare a capstone report summarizing its findings after the last of the audits are completed.

Finally, with regard to the agenda item on the accountability of international collaborative research projects, Dr. Arvizu noted the growing interest and concern within the international community for the need to standardize expectations pertaining to the accountability of these multinational projects. He asked that NSF management and OIG meet between now and the next A&O meeting to discuss how these concerns can be addressed.

c. Education and Human Resources Committee (EHR)

Dr. Bruer, EHR chairman, reported that during the upcoming weeks, the committee will focus on how it can work most effectively to include responsibilities between meetings, and how the committee can interface most productively with the other Board standing committees. Another issue that may be discussed at the retreat is how to produce robust reports intended to inform and/or advise national policymakers given resource limitations. The committee is also looking forward to strengthening communications with NSF EHR, and Dr. Bruer asked Dr. Marrett to provide regular updates to the committee.

As follow up to the NSB *National Action Plan for Addressing the Critical Needs of the U.S. Science, Technology, Engineering, and Mathematics Education System (NSB-07-114)*, the committee approved a draft charge and workplan for recommendation to the full Board for EHR to convene an Expert Panel Discussion on Preparing the Next Generation of STEM (science, technology, engineering, and mathematics) Innovators, with two changes: (1) the panel would be 2 days, instead of 1 day; and (2) a footnote will be added defining "innovators" for the purpose of this activity. Upon recommendation by EHR, the Board acted as follows:

The Board unanimously APPROVED the draft charge and workplan for an EHR Expert Panel Discussion on Preparing the Next Generation of STEM Innovators, subject to final edits approved by the Board Chairman and the EHR chairman.

EHR Subcommittee on Science and Engineering Indicators (SEI)

Dr. Louis Lanzerotti, SEI chairman, reported that the meeting began with the presentation of the NSF Director's Award for Collaborative Integration to the Management Team of *Science and Engineering Indicators 2008* in recognition for their outstanding support of the Board's production of *Indicators 2008*.

Mr. Rolf Lehming, Science Resources Statistics (SRS) Director for the Science and Engineering Indicators Program, SBE, reviewed the process of producing *Indicators 2010* as well as the prepared production schedule.

Dr. Lanzerotti reminded the subcommittee and Board Members of their vital role as chapter reviewers and lead reviewers, as well as their roles in deciding on the content of the Companion Piece and the Indicators Digest. By the December 2008 meeting, SEI will have timelines for the Companion Piece and Indicators Digest for review.

The subcommittee discussed the chapter outlines for *Indicators 2010*. Board Members highlighted various issues for which presentation of relevant data could enrich the national discussion. For many of these issues, Board Members suggested possible ideas for enhancements and sidebars.

d. Committee on Programs and Plans (CPP)

Dr. Droegemeier, CPP chairman, thanked Dr. Beering for the privilege of serving as chairman of the committee, and acknowledged his predecessor, Dr. Kenneth Ford, for his advice and counsel. He also acknowledged Ms. Sonya Mallinoff, CPP Executive Secretary, and Dr. Elizabeth Strickland, Board Office Liaison for CPP, for their outstanding support.

Dr. Droegemeier noted that he asked the committee members to review the CPP charge and consider future programmatic areas of interest for the committee. CPP will plan for further discussion on this topic at the September 2008 retreat and at the December 2008 Board meeting. Additionally, Dr. Droegemeier discussed with Mr. Arthur Reilly, chairman of the Committee on Strategy and Budget (CSB), ways in which CPP and CSB could work together and possibly with the other Board standing committees.

Dr. Dana Lehr, Program Officer, Division for Astronomical Sciences, Directorate for Mathematical and Physical Sciences (MPS), presented an information item on the Competition for the Award of a Cooperative Agreement for the Management and Operation of the National Astronomy and Ionosphere Center (NAIC) (NSB/CPP-08-30, Board Book page 65). Consistent with the NSB Resolution on Competition and Recompetition of NSF Awards (NSB-08-12), NSF will solicit proposals for a new, 5-year cooperative agreement for NAIC maintenance and operations through an open, competitive, merit-based review process. NSF expects to issue a solicitation in November 2008 and bring an action item to the Board in December 2009. The committee emphasized the need for the solicitation to be responsive to the Astronomy Division's Senior Review, and asked that NSF provide the Board with an opportunity to review the solicitation prior to its release.

Dr. Kathie Olsen, NSF Deputy Director, provided a comprehensive review of NSF's MREFC projects, specifically those that are nearing the end of construction phase, those that are currently under construction, projects that are in the advanced planning stage, and the one project that is in the readiness stage. Dr. Olsen will have a status report in September 2008 projects that are "on the horizon" and operations and maintenance of large facilities, and will continue discussion with the Board on important policy topics.

Dr. Mark Abbott continued the discussion of the committee's progress in developing a proposal for a revision to the MREFC process that would preserve the best elements of the MREFC Plan and serve the infrastructure needs of the scientific community, while facilitating transformative science. He presented a proposal for changes to the MREFC process and suggested a more substantive discussion during the CPP meeting in September 2008. Changes to the current process include the following:

- Annual reviews across the entire NSF portfolio that would include a focus on groups of projects that are brought forward together as they conclude Conceptual Design Reviews (CDRs). This would result in a documented prioritization by the Board with guidance to NSF.
- The creation of a Planning and Design Account to fund projects that have successfully completed CDRs and been approved to advance to the next stage of the process.
- As a project completes its preliminary design review (PDR), the Board's review would be informed by an independent assessment of a project by an impartial team, not selected by the proposing directorate. This would serve to inform the Board prior to its review and approval of a project before it can enter the final design process.

Because the budget schedule had been changed for this election year and the current priority order of projects remains under consideration by Congress for FY 2009, the committee agreed that it would be counterproductive to undertake a re-examination of the priority order of MREFC projects at this time. The discussion was deferred until the December 2008 meeting when NSF prepares the FY 2010 budget request to Congress.

The America COMPETES Act asked the Board for a general assessment of NSF's support for interdisciplinary research. (COMPETES: Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science.) CPP discussed this issue in March and May 2008. Several drafts of *Report to Congress on Interdisciplinary Research at the National Science Foundation* (NSB/CPP-08-34, Board Book page 55) were then circulated to Board Members and comments were incorporated. Key points in the report are as follows: (1) the importance of emphasizing NSF's "bottom-up" strategy for identifying and supporting all types of research, including interdisciplinary research; (2) NSF support for interdisciplinary research is found throughout NSF, instead of marginalized to a remote corner of NSF's activities or segregated into its own silo; and (3) the Board recommends against designating a fixed proportion of the NSF budget for interdisciplinary research. After discussion, the committee voted to forward to the draft report to the full Board for approval, subject to final edits approved by the Board Chairman and CPP chairman.

The Board unanimously APPROVED the draft *Report to Congress on Interdisciplinary Research at the National Science Foundation* (NSB/CPP-08-34), subject to final edits approved by the Board Chairman and CPP chairman. [Final report: [NSB-08-80](#)]

Dr. Buckius, Assistant Director, ENG, provided a science presentation entitled, "Our World is Engineered."

Dr. Droegemeier also reported on the following CPP subcommittee and task force:

CPP Subcommittee on Polar Issues (SOPI) - Dr. Jon Strauss, chairman

Dr. Karl Erb, Director, OPP, provided an update on the request for proposal for the U.S. Antarctic Program support contract, the OPP Advisory Committee discussions, and the International Polar Year activities. Mr. Brian Stone, Acting Division Director, OPP Division of Antarctic Infrastructure and Logistics, and Dr. Scott Borg, Division Director, OPP Division of Antarctic Sciences, provided a briefing on rising fuel costs and the major impacts on research and infrastructure and logistics for Antarctic activities. Both Divisions have made difficult but necessary decisions to reduce the impacts as much as possible, and no science programs have been cancelled to date.

CPP Task Force on Sustainable Energy (SE) - Drs. Arvizu and Strauss, co-chairmen

The task force reviewed the second roundtable discussion held at the National Renewable Energy Laboratory in Golden, Colorado, on June 19, 2008. The task force also discussed the upcoming roundtable discussion at the University of California, Berkeley Clark Kerr Campus Conference Center, on September 4, 2008. Board Members were asked to submit any feedback about these roundtables to the task force co-chairmen.

e. Committee on Strategy and Budget (CSB)

Mr. Arthur Reilly, CSB chairman, thanked Dr. Ray Bowen, former CSB chairman, for his leadership of this committee. Mr. Reilly welcomed the opportunity to build on Dr. Bowen's efforts to collaborate with other committees and to strengthen the strategic direction that the Board provides to NSF.

The committee reviewed the draft *Report to Congress on Limits on Proposal Submissions by Institution* (NSB/CSB-08-12, Revised August 7, 2008, Board Book Supplemental Material). The report addresses NSF's use of limits on the number of proposal submissions that a single institution can submit to NSF in response to particular solicitations. This report was also in response to the Congressional request in the America COMPETES Act of August 2007, due to Congress immediately following the August 2008 meeting. Development of the report was initially led by Dr. Bowen and involved the efforts of a team of Board Office and NSF staff. During committee discussion, Dr. Abbott asked about award amounts resulting from solicitations involving institutional limits. The Board Office agreed to work with NSF to provide additional information about this at the next CSB meeting. The committee recommended forwarding the draft report to the full Board for approval, subject to final edits approved by the Board Chairman and the CSB chairman.

The Board APPROVED the *Report to Congress on Limits on Proposal Submissions by Institution* (NSB/CSB-08-12), subject to final edits approved by the Board Chairman and the CSB chairman. [Final report: NSB-08-81]

CSB Task Force on Cost Sharing (CS) - Dr. Droegemeier, chairman

Mr. Reilly noted that Dr. Droegemeier, CS chairman, reported on the status of the task force and results of the July 9 and 10, 2008 Roundtable Discussions.

In the Board's continuing effort to reach out to the community for input on important issues affecting research and education, a notice was posted in the *Federal Register* on August 6, 2008 inviting the public to comment on cost sharing issues by October 12, 2008. Dr. Bement agreed to help publicize the comment opportunity by sending a "Dear Colleague" letter.

Dr. Droegemeier described the need for revising the Charge to the Task Force on Cost Sharing (NSB-07-110, Revised July 15, 2008, Board Book page 85) to extend the timeline, from 2008 to February 2010, to give the task force time to complete a second, more comprehensive, report on issues related to the NSF cost sharing policy. (The first report was sent to Congress in February 2008.) The extension of the task force charge will also permit monitoring of implementation of its recommendations. Upon approval by CSB, the Board acted as follows:

The Board unanimously APPROVED the extension of the Charge to the Task Force on Cost Sharing (NSB-07-110, Revised July 15, 2008) through February 2010.

Finally, Dr. Droegemeier presented a rough outline of the second cost sharing report. He expects to have a first draft report for CS to discuss in a teleconference in October 2008.

f. Task Force on the 60th NSB Anniversary (60ANN)

Dr. Galloway, 60ANN chairman, thanked Ms. Ann Ferrante, 60ANN Executive Secretary, for compiling historical information on previous NSB Anniversaries. Dr. Galloway outlined the activities that commemorated the 40th and 50th Anniversaries. Ideas were solicited from the task force for possible goals, objectives, and activities for the 60th Anniversary in 2010. The task force will present a plan with proposed deliverables for approval at its next meeting to be held in December 2008.

Dr. Beering adjourned the Open Session at 3:20 p.m.

[signed]
Ann A. Ferrante
Executive Secretary
National Science Board

Attachment:

Appendix: NSB-08-70, National Science Board Calendar of Meetings 2009

NATIONAL SCIENCE BOARD
CALENDAR OF MEETINGS
2009

February 23 - 24
(Monday - Tuesday)

May 13 - 14
(Wednesday - Thursday)
[Annual Meeting and Awards Dinner]

August 5 - 6
(Wednesday - Thursday)

September 23 - 24
(Wednesday - Thursday)
[Annual Retreat and Visit]

December 9 - 10
(Wednesday - Thursday)