

**Conference Board of the Mathematical Sciences**  
**One Hundred and Thirtieth Meeting of the Council**  
**Friday, December 1, 2023**  
**Held at the ASA Headquarters, 732 North Washington St.,**  
**Alexandria, VA**

- 8:30–9:00 Coffee and Tea will be available
- 9:00–9:15 **Introductions and Overview of Meeting** – Joan Ferrini-Mundy
- 9:15–10:00 **Business Meeting of the Council**
1. Secretary’s Report – Joleigh Honey
    - a. Approval of Minutes of the Meeting of May 5, 2023 (appendix A)
  2. Treasurer’s Report – Ted Coe
    - a. FY 2023 Operating Budget Income/Expense Report (appendix B)
    - b. Unrestricted Net Assets History (appendix C)
    - c. FY 2024 Dues Assessments (appendix D)
  3. Director’s Report – Charles Steinhorn (appendix E)
  4. Announcements  
ICME-15 – Padmanabhan Seshaiyer (USNC/MI, via Zoom)
- 10:00–10:20 Update on Modernized Mathematics Experiences for Secondary Students Working Group – Ted Coe
- 10:20–10:40 Break
- 10:40–11:00 Update on Teacher Recruitment/Retention Data Working Group – Trena Wilkerson (Zoom)
- 11:00–12:00 NSF EDU Directorate Presentation – James L. Moore (*Assistant Director, Directorate for STEM Education (EDU)*)
- 12:00–1:00 Lunch
- 1:00–2:00 National Oceanic and Atmospheric Administration Presentation – Hendrik Tolman (*Senior Advisor for Advanced Modeling Systems, NOAA*)
- 2:00–2:20 Mentoring Initiatives through Mathematics– Abbe Herzig, Aris Winger
- 2:20–2:40 Update on the Working Group on the Role of the Mathematical and Statistical Sciences in Data Science – Joleigh Honey, Charlie Steinhorn
- 2:40–3:00 Break
- 3:00–5:00 Discussion about 2026 as a Year of Mathematics – Joan Ferrini-Mundy
- 5:00–6:00 Reception

## CBMS December 2023 Council Meeting Invitees

Laura Watkins	AMATYC	<a href="mailto:laura.watkins@amatyc.org">laura.watkins@amatyc.org</a>
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## Appendix A

### **Minutes of the 129th Meeting of the Council of the Conference Board of the Mathematical Sciences Held at the AMS DC Office, 700 Pennsylvania Ave, SE Washington, DC Friday, May 5, 2023**

The following were present for all or part of the meeting.

Executive Committee: Joan Ferrini-Mundy, Chair (via Zoom); C. David Levermore, Past Chair; Joleigh Honey, Secretary; Ted Coe, Treasurer; Shelly Jones, Member-at-Large (and BBA); Jennifer Quinn, Member-at-Large.

Council Members: Laura Watkins, AMATYC; Catherine Roberts, AMS; Megan Burton, AMTE; Donna Lalonde, ASA; Lisa Ashe, ASSM; Talitha Washington, AWM; Shelly Jones, BBA; Sol Garfunkel, COMAP; Peter Bühlmann, IMS; Hortensia Soto, MAA; Cindy Lawrence, MoMath; Paul Gray, NCSM; Kevin Dykema, NCTM; Sven Leyffer, SIAM; Roy Goldman, SOA; Sylvia Celedón Pattichis, TODOS.

Additional society representatives: Anne Dudley, AMATYC; Enrique Galindo, AMTE; Shari Stockero, AMTE; Ron Wasserstein, ASA; Darla Kremer, AWM; Tanaga Hannah, BBA; Deirdre L. Smeltzer, MAA; Aris Winger, NAM; Katey Arrington, NCSM; Kim Gill, NCSM; Ken Krehbiel, NCTM; Suzanne Weekes, SIAM; José A. Marroquin, SOA; Erin Sylves, TODOS.

Invited Guests: Stephanie Blochinger, Business Higher Education Forum; Andy Burness, Burness; David Bressoud (via Zoom), CBMS Survey Working Group, CBMS Survey; Gideon Hertz, Burness; Angela Kuefler, Global Strategy Group; Dave Kung, Dana Center; Kathryn Leverenz, Mathematics Institute of Wisconsin; Melissa Luce, B&M Gates Foundation; Valery Maya, PwC; Nyema Mitchell, Jobs for the Future; Annie Norbitz, Global Strategy Group; Frank Savina, Dana Center; Chapin Springer, B&M Gates Foundation; Alex Temple, NAS; Uri Treisman, Dana Center; Trena Wilkerson (via Zoom), CBMS Working Group on Teacher Recruitment and Retention.

Staff: Charles Steinhorn, Director; Dayle Rebelein, Administrative Assistant

Reports from the presenters will be available at <https://www.cbmsweb.org/council-meeting-materials/>

#### **I. Business Meeting**

Chair Joan Ferrini-Mundy (via Zoom) welcomed those who were present and outlined the agenda.

**1. Secretary's Report.** Joleigh Honey

**Approval of Minutes.** The minutes of the December 2022 CBMS Council meeting were approved unanimously.

**2. Treasurer's Report.** Ted Coe

- a. The FY 2023 Half-Year Final Report was presented for informational purposes.
- b. The Unrestricted Net Assets History was presented for informational purposes.

**3. Director's Report.** Charles Steinhorn submitted a written report distributed with the agenda materials and answered questions based on the report.

**4. Nominating Committee Report.** Joan Ferrini-Mundy, the Nominating Committee Chair, speaking for fellow Committee members Shelly Jones and Brit Kirwan, reported that the process had been delayed and that she soon expected to present the nominees for Chair-Elect and Executive Committee Member-at-Large to the Council for approval by email ballot. (*Note:* Subsequently Robert Bryant was nominated as Chair-Elect and Enrique Galindo was nominated for Executive Committee Member-at-Large. Both were approved unanimously via email ballot.)

**5. Announcements.**

Announcements of upcoming conferences, events, award/prize programs, and publications were made by representatives of the following CBMS member organizations: AMATYC, AWM, BBA, MAA, MoMath, NCSM, NCTM, and TODOS (details could be found on the organizations' webpages).

Dave Kung, Dana Center, announced the formation of the Mathematics Communications Collective (MC<sup>2</sup>) whose members would consist of people in CBMS member societies who work in communications for their respective organizations. The aim is to provide a quarterly forum for these people to share and learn from their peers in other organizations.

**II. Update on the CBMS Teacher Recruitment/Retention Data Working Group**

Trena Wilkerson (via Zoom), the working group Chair, reported that the group is moving ahead with its work. The members of the group were listed in the December 2022 Council minutes. Supported by a grant from the Bill and Melinda Gates Foundation awarded to CBMS in February, four mathematics education graduate students will be hired over the summer to assist in collecting and collating data from the states. The group expects to complete its work and make a report to the CBMS Council at the May 2024 meeting.

**III. Update on the CBMS Survey Working Group**

David Bressoud (via Zoom), the working group Chair, reported that the group has decided to engage RMC Research Corporation for the 2025 survey, and has been highly impressed with its interactions with Chandra Lewis, the Senior Research Associate at RMC who will be our principal point of contact. The working group, together with Lewis, has begun preparation of the 2025 Survey proposal that will be submitted to NSF in July. One important new feature

of the 2025 Survey is that it will be interactive online dashboard. The members of the working group were listed in the December 2022 Council minutes.

#### **IV. Update on the CBMS Modernizing Students' Mathematical Experiences Working Group**

At the December 2022 Council meeting, it was resolved that a working group would be formed to draft a statement for consideration by the Council (see the December 2022 minutes). Ted Coe, who led the December 2022 session and was asked to chair the group, reported that the group has been formed and has begun its work. He also asked group members present to comment on the process to date. The members of the group, in addition to Coe, are: Katey Arrington, Kevin Dykema, Lea Jenkins, Brendan Kelly, Yvonne Lai, Donna Lalonde, Mary Mooney, Shari Stockero, Erin Sylves, Laura Watkins, and Charlie Steinhorn (*ex officio*). It is hoped that the group will complete its work by the May 2024 Council meeting.

#### **V. May 2022 Forum Messaging Update and Report**

Andy Burness, President, and Gideon Hertz, Associate Vice President and Deputy Director of Training Programs, *Burness*, shared the messaging document that they developed in consultation with stakeholders, and which we have shared in early April with the 19 state teams that participated in the May 2022 CBMS Pathways Forum. Burness and Hertz also have made themselves available to consult individually with state teams, and some teams had already availed themselves of this opportunity.

#### **VI. Briefing on Gates Foundation National Research on Parents' and Teachers' Mathematics Education Attitudes**

During the last year, the *Bill & Melinda Gates Foundation* engaged the *Global Strategies Group (GSG)* to undertake a major national research project on Parents' and Teachers' attitudes on Mathematics Education. The effort began with an online journaling exercise, followed by focus groups with parents and teachers in California, Florida, New York, and Texas, and concluded with a national survey. Chapin Springer, Deputy Director, US Program Communications, and Melissa Luce, Senior Program Officer, K-12 Education, from the *Gates Foundation* introduced the presentation and provided background. Then the GSG principals who led the project, Angela Kuefler, Partner, Research, and Annie Norbitz, Vice President, Research, presented the results of the survey, during which there was lively conversation and questions.

#### **VII. How can CBMS engage more effectively in strengthening and diversifying the STEM Workforce pipeline?**

This session was led by Shelly Jones, Member-at-Large of the CBMS Executive Committee and BBA President. It began with a panel that included Stephanie Blochinger, Director, Member Services, *Business Higher Education Forum*, Valery Maya, Manager, *PwC*, and Nyema Mitchell, Director, Advancement Unit, *Jobs for the Future*. The panelists discussed what their organizations currently are doing to address CBMS' goal of strengthening and

diversifying the STEM (and STEM-adjacent) workforce pipeline, and how CBMS organizations might partner with the business/workforce community to help parents and schools to advocate for information and access to STEM and STEM-adjacent careers. Questions for the panel followed. Attendees then formed breakout groups to continue the discussion of these issues and make suggestions, after which all attendees reconvened and representatives of the groups reported back. No specific actions were taken, but it was agreed that CBMS work on this important issue needs to continue.

The meeting adjourned at 5:00pm to the reception, with wines once again generously provided by Uri Treisman.

## Appendix B

FY 2022 Actual and FY 2023 Budget Shown for Comparison

<b>Income</b>				
	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2023</b>	<b>FY 2024</b>
	<b>Actual</b>	<b>Budget</b>	<b>Actual</b>	<b>Budget</b>
Dues	\$62,157	\$65,000	\$64,675	\$65,000
Interest	\$5	\$100	0	
Royalties	\$1,051	\$1,000	\$76	
NSF Regional Research Conferences				
Salaries	\$21,315	\$30,000	\$29,167	\$30,000
Indirect Costs	\$2131	\$8,000	\$3,833	\$4,500
<b>Total Income</b>	<b>\$86,659</b>	<b>\$104,100</b>	<b>\$97,751</b>	<b>\$99,500</b>
<b>Expense</b>				
	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2023</b>	<b>FY 2024</b>
	<b>Actual</b>	<b>Budget</b>	<b>Actual</b>	<b>Budget</b>
Compensation				
Director	\$42,333	\$35,000	\$35,000	\$35,000
Administrative Coordinator	\$12,625	\$20,000	\$20,250	\$20,000
Postage and Shipping	\$1,132	\$500	\$3	\$500
Supplies	\$599	\$3,000	\$194	\$3,000
Internet	\$1,030	\$600		
QuickBooks license	\$478	\$850	\$1,089	\$1,100
Website	\$0	\$500	\$678	\$500
Council Meetings				
Travel	\$10,510	\$10,000	\$11,029	\$10,000
Food and Other Meeting Expenses	\$10,912	\$10,000	\$9,472	\$10,000
Staff Travel	\$182	\$12,000	\$1,441	\$10,000
Accounting Fees	\$2,825	\$3,500	\$4583	\$3,500
Auditing Fees	\$0	\$2,500a	\$9532	\$3,000
Insurance	\$1,916	\$750	\$1459	\$2,000
Unbudgeted Expenses				
Bank Service Charges	\$58		\$12	0
Charitable contributions	\$0		0	0
<b>Total Expense</b>	<b>\$84,600</b>	<b>\$99,200</b>	<b>\$94,742</b>	<b>\$98,6000</b>
Operating Surplus or (Deficit)	\$2,059	\$4,900	\$3,009	\$900

### Notes

## Appendix C

### Unrestricted Net Assets as of September 30, 2023

cash on hand - BoA	\$116,357	a
accounts receivable		
dues	\$18,650	
other		
accounts payable	\$0	
Net	\$135,007	

### Investments

Vanguard Balance Mar 31, 2021	\$180,666
Vanguard Balance Sept 30, 2021	\$182,400
Vanguard Balance Mar 31, 2022	\$181,876
Vanguard Balance Sept 30, 2022	\$172,460
Vanguard Balance Mar 31, 2023	\$172,424
Vanguard Balance Sept 30, 2023	\$178,763
Total Unrestricted Net Assets	\$313,770

### Notes

a Cash on hand also includes \$6,675 that can be used for 2022 Forum related expenses

## Appendix D

### Dues assessments for FY 2024

	Dues Rounded	Quarterly
AMATYC	\$1,100	\$275
AMS	\$8,700	\$2,175
AMTE	\$700	\$175
ASA	\$5,500	\$1,375
ASL	\$400	\$100
ASSM	\$400	\$100
AWM	\$900	\$225
BBA	\$400	\$100
COMAP	\$1,300	\$325
IMS	\$1,600	\$400
MAA	\$5,500	\$1,375
MoMath	\$1,100	\$275
NAM	\$400	\$100
NCSM	\$1,800	\$400
NCTM	\$9,600	\$2,400
SIAM	\$3,900	\$975
SOA	\$21,000	\$5,250
TODOS	\$500	\$125
WME	\$400	\$100
TOTAL	\$65,000	\$16,250

## Appendix E

### Directors' Report — Charles Steinhorn

It will soon be two years since I assumed the position of CBMS Director in February 2022. The transition process from my predecessor, David Bressoud, was completed about a year ago. Thus, over the last 6 months I have been able to direct my energy to sustaining and helping to launch several CBMS initiatives. Below, I discuss my work since the May Council meeting and look ahead to the next several months. Before turning to these topics, I once again want to express what a pleasure it continues to be to meet and collaborate with the many exceptional people with whom I have had the privilege of working in my position.

#### The past six months

CBMS underwent its regular triennial audit for the fiscal years 2020, 2021, and 2022 in June and July. A regular audit is essential to CBMS continuing to act as a fiscal agent eligible to be awarded NSF grants. We engaged the same accounting firm we used in the past for this purpose. The firm has extensive nonprofit experience and knows CBMS well. The audit had to wait until the firm was approved to conduct an audit in New York State, a process that began in the fall of 2022. The audit went smoothly, and CBMS' accounting practices and financial statements for the period under the audit were found to be sound.

Two NSF-CBMS Research Conferences took place this past summer. These were:

- Foundations of Causal Graphical Models and Structure Discovery, May 15-19 at Texas A&M University
- Deep Learning and Numerical PDEs, June 19-23 at Morgan State University.

One of the responsibilities of the CBMS Director in the oversight of the Regional Research Conference Series is to review the conference materials produced by the principal lecturers. In my two years of doing this, I have been singularly impressed by the quality of these materials. Of the six conferences that took place in summer 2022, at least two are being turned into monographs that should become valuable contributions to their respective fields.

Three NSF-CBMS Research Conferences were funded by NSF this fall and are scheduled for summer 2024. These are:

- Algorithmic Fractal Dimensions, May 20-24 at Drake University
- Mathematical Methods for Novel Metamaterials, May 2024 at Auburn University
- Inverse Problems and Nonlinearity, June 3-7 at Clemson University.

The number of conferences scheduled for summer 2024 and the number that took place this past summer are significantly lower than the historical average of 6-7. I suspect this is at least in part a consequence of the lingering effects of the pandemic. Nonetheless, this is a potentially worrisome trend in what has been an immensely successful, long-running conference series, and warrants our attention going forward.

In planning for the May 1-3, 2022 CBMS Pathways Forum, to provide the state teams with support and training in messaging and communications, CBMS engaged the firm Burness. At the forum, the Burness team for this work, firm President Andy Burness and Associate Vice President and Deputy Director of Training Gideon Hertz, gave a plenary presentation, offered two breakout sessions, and provided extended time for informal consultation with the 19 state teams present.

Forum budgetary savings have permitted CBMS to continue working with Burness to provide additional support and training to the state teams. The Burness team, working with Dave Kung and me, developed a messaging document for the state teams that was vetted by a small group of stakeholders. The document was shared with the state teams in late March, with a covering email inviting state teams to consult with Andy and Gideon. During the spring, Andy and Gideon met with members of the teams from Indiana, Utah, Virginia, and Washington. As there still remain some funds that can be used for consultations with state teams, just this month I sent out another invitation to the teams to work with Andy and Gideon.

The strategy of bringing together small groups remotely with well-defined tasks in the period between the twice-annual Council meetings can enable CBMS to move nimbly on important issues, and tap more deeply into its potential as an impactful umbrella organization. Four such working groups, based on priorities identified at recent CBMS meetings, were formed. I support each group and serve as a member *ex officio* (except the one that I am co-chairing).

The group David Bressoud chaired on the CBMS Survey of Undergraduate Programs in the Mathematical Sciences began operating in the fall of 2022 and completed its work in the summer of 2023 with the submission to NSF of the 2025 Survey proposal, on which we should hear early in 2024. David updated the Council (via Zoom) at the December 2022 and May 2023 Council meetings. His report at the May 2023 Council meeting is summarized in the minutes of that meeting included with this agenda packet. The group's membership is listed in the minutes of the December 2022 meeting.

Some funds from the NSF award for 2020 Survey remain, and NSF has approved repurposing these funds to address issues relevant to the 2025 Survey. In particular, these funds will be used so that RMC Research Corporation, the firm we have engaged for the 2025 survey, can:

- (i) undertake a pilot study to understand further why the completion rates for the 2020 CBMS survey were so low and to identify strategies to increase the completion rates; and,
- (ii) begin the feasibility study (full funds for which are budgeted in the 2025 NSF proposal) to determine the cost of creating datasets from prior CBMS surveys to be incorporated into the interactive online dashboard planned for the 2025 Survey.

In response to the USNC/MI request to CBMS to develop national data on the crisis in recruiting and retaining mathematics teachers, Trena Wilkerson is chairing a working group on this issue. The group began its work late last fall. Trena gave report (via Zoom) at the December 2022 and May 2023 Council meetings, and will provide an update at this meeting. Trena's report at the May 2023 Council meeting is summarized in the minutes of that meeting included with this agenda packet. The group's members are listed in the December 2022 meeting minutes.

Supported by a grant from the Bill and Melinda Gates Foundation awarded to CBMS in February, four mathematics education graduate students were hired over the summer to assist in collecting and collating teacher recruitment and retention data from the states. It is expected that Trena's group will complete its work and make final report to the CBMS Council at the May 2024 meeting. Once completed, it is imperative that the report be disseminated widely. For that purpose, I have begun discussions with the Burness firm to provide strategic communications assistance. I have identified some available funds for this purpose, and our program officer at the Gates Foundation also may be able to provide assistance.

Ted Coe is chairing a working group that grew out of the final session of the December 2022 meeting, with the aim of finding where there may be consensus within the CBMS Council about what marks a twenty-first century mathematics experience for secondary students. The membership of the working group was listed in the May 2023 CBMS Council minutes. The group began its work early this year, and has had a number of productive conversations. It is expected that the group will complete its work by May 2024 in time for the Council meeting. Ted reported on the group's work in May 2023 and will do so again at this meeting.

Together with Joleigh Honey, I am cochairing/facilitating a working group on the role of the mathematical and statistical sciences in Data Science. The group was formed in the spring and began meeting in the late summer. The membership of the working group was listed in the May 2023 CBMS Council minutes. The group has divided (not disjointly) into two subgroups, one dealing with the Data Science in the K-12 space, and the other focusing on the post-secondary context. Joleigh and I will report briefly on the group's work at this meeting.

In several informal conversations during the last few months of 2022, I heard from people that it is time to think about updating *The Mathematics Education of Teachers II* (MET) volume, published in 2012. Given the increasing importance of statistics and data science, and the CBMS Pathways work over the last decade, it seemed natural to consider linking such an effort with an update of the ASA's *The Statistical Education of Teachers* (SET) volume, published in 2015. This idea was received favorably by ASA, and it was agreed that we could aim for the simultaneous release of revisions to MET and SET, written by separate groups working in tandem, possibly with a liaison serving on both groups to facilitate communication. Further, it is hoped that the two updated volumes could include a combined executive summary as well as a common chapter related to data science education. The SET writing team, chaired by Christine Franklin, is already in place. Marilyn Strutchens has agreed to chair the MET writing team, and we are in the early stages of forming the MET writing team.

### **Looking Ahead: the next six to twelve months**

The NSF Regional Research Conferences grant to CBMS provides funding for administering the conference series and for stipends to principal lecturers. The current award originally was set to end this past summer, but in the spring I requested a no cost extension through July 2024, as the grant has unspent funds as a result of cancelled and postponed conferences caused by the pandemic. I will need to prepare and submit a renewal proposal for this purpose in early 2024.

In the proposal for the current NSF award, David Bressoud included an advisory board that really did not get put to use. As I mentioned above, there is concern that the number of

conferences that took place last summer and the number scheduled for the summer of 2024 are significantly lower than the historical average. With this concern in mind, in the renewal proposal I intend to recruit new advisory group members and sharpen the group's focus to: (i) identify topics and lecturers for future conferences, with particular attention to EDI, and (ii) identify suitable host institutions, especially minority serving institutions. For this I will seek the assistance of CBMS member societies in early December to suggest potential advisory board members. I also want to explore the possibility of some 2026 regional research conferences serving as satellite conferences of ICM2026.

During the session at the December 2022 Council meeting focusing on the commitments to action and accountability in the CBMS EDI statement, it was decided to form a task force, chaired by Tim Hendrix, charged with drafting a document regarding EDI policies and practices for CBMS, and presenting to the CBMS Council reports from member organizations on how they are making progress and what challenges they face. This effort has been delayed due, sadly, to Tim's untimely passing in July. Tim was a remarkable individual, who I personally miss greatly, and who CBMS indeed was fortunate to avail itself of his considerable talents during his tenure as AMTE Executive Director and subsequently in his role on CBMS' EDI work. It is hoped that a new chair can restart this effort in early in 2024.

Over the next several months, I expect to be fully engaged in the efforts of the several CBMS working groups mentioned above, most of which should have substantially completed their work by the May 2024 CBMS Council meeting, as I have mentioned.

CBMS Chair Ferrini-Mundy announced at the December 2022 meeting that it was time again for members of the Executive Committee and me to meet separately or in small groups with the leadership of each CBMS member society. Such conversations were held during the winter/spring of 2021, the first time that was undertaken going back over a decade, and these meetings informed the CBMS EDI, Data Science, and Workforce efforts. A small group of volunteers (solicited via email after the December 2022 Council meeting) offered to assist in shaping and focusing the new round of conversations. It was originally planned that these meetings would take place during the past spring/summer, but for a variety of reasons this effort has been delayed.

It now is planned to have these conversations take place in the spring of 2024. The timing is apt, with the most of the working groups planning to complete their efforts by the May 2024 Council meeting. I would like to see us continue to do this on a (semi-) regular basis. While I know most of the current presidents and executive directors, these meetings can provide the CBMS leadership with a better understanding of the concerns and priorities of its member societies. This in turn can serve as a planning mechanism for topics to include in Council meeting agendas and, ultimately, the activities and projects in which CBMS chooses to engage.

With the International Congress of Mathematicians set to take place in Philadelphia in July 2026, a nascent effort is underway to make 2026 a Year of Mathematics in the US, with broad engagement from the entire mathematical and statistical sciences community. It is hoped that the extended discussion of this topic that will take place at this Council meeting will serve as a potential springboard for substantial activity leading up to 2026. To make such an effort truly

successful, a great deal of energy and effort from our community will be needed, as will significant funding.

Additionally, with the efforts of most of the current CBMS working groups nearing conclusion this spring, we soon should be able to return our attention to the effort led by Shelly Jones on how CBMS might engage more effectively in helping to strengthen and diversify the STEM Workforce, building on the session that she led on this topic at the May 2023 Council meeting. This issue cuts across several ones of importance to CBMS, in particular those that are the focus of the current working groups discussed above. It also might make good sense to tie at least some CBMS efforts in this space to the Year of Mathematics in 2026.

Looking further ahead, there are a few other efforts and initiatives on which I want to continue to move during the next year.

I mentioned in previous reports that I would plan to begin attending meetings of more CBMS member societies, in addition to those I have regularly attended throughout my career, to deepen my understanding of those societies' work and become more broadly acquainted with their leadership and membership. This fall I attended the NCTM Annual Meeting, and was invited to speak at the ASSM Annual Meeting. I will attend the Joint Mathematics Meetings in January.

CBMS, during the years I have been involved, has maintained a strong relationship with NSF, in particular the Division of Mathematical Sciences and the Directorate of STEM Education (formerly, Education and Human Resources). CBMS also has maintained regular contact with several boards at the National Academies. I would like to see us develop stronger relationships with other Federal agencies that have (potential) relevance to the mathematical sciences, and it will be a priority of mine to undertake the needed legwork. We will see the result of my first effort in this direction at this Council meeting: Dr. Hendrik Tolman, Senior Advisor for Advanced Modeling Systems at NOAA, will speak. Dr. Tolman and Dr. Natasha White, a Management and Program Analyst in NOAA's Education Office, plan to stay for the entire day.

Lastly, in 2021 several virtual conversations were held involving the CBMS leadership, chairs and directors of some of the National Academies boards, and others, about the possibility of establishing a new board on mathematical sciences education at the National Academies. This ultimately is a complex undertaking, still in its early stages, and I have heard recently that there may be some potential movement on it. Those of us with a long enough memory will recall the now-defunct Mathematical Sciences Education Board that ceased functioning in 2008, after 23 years in operation, leaving a hole that a new board could fill to address critical issues in this domain.