

AMERICAN MATHEMATICAL SOCIETY

MINUTES OF THE COUNCIL

16 January 1990

Abstract

The Council of the American Mathematical Society met at 2:00 pm on 16 January 1990 in the Grand Ballroom North of the Hyatt Regency Louisville Hotel, Louisville, Kentucky. Members present were: Steve Armentrout, Sheldon Axler, Salah Baouendi, Joan Birman, Lenore Blum, William Browder, Sun-Yung Alice Chang, Fan R. K. Chung, Joseph Cima (voting Associate Secretary), Charles Herbert Clemens, W. Wistar Comfort (non-voting Associate Secretary), Lawrence Corwin, William Davis, Robert Fossum, Walter Gautschi, Richard Guy, Rhonda Hughes, Everett Pitcher, Albert Marden, M. Susan Montgomery, Richard Palais, Franklin Peterson, Carl Pomerance, Michael Reed, Hugo Rossi, David Saltman, Lance W. Small (non-voting Associate Secretary), Harold Stark, Allan Taylor, William Thurston, William Veech, and Shing-Tung Yau. Others present were Robert Bartle, Ronald Bercov (Société Mathématique du Canada), Ronald Douglas, Gloria Gilmer, Allyn Jackson, William H. Jaco, Jane Kister, Mary Lane, James Maxwell, Marion Pour-El, Alice T. Schafer, Kelly Sheehan, Donovan Van Osdol, and William Woolf.

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1 MINUTES

1.1 August 89 Council.

The Minutes of the August 89 Council were distributed by mail. The following corrections were noted:

- Page 11, second bullet from bottom of page: “on Vice-President” should read “one Vice-President”
- Page 11, line above last bullet on page: “An third alternative” should read “A third alternative”

The minutes were approved as corrected.

1.2 11/89 ECBT Minutes

The Minutes of the Executive Committee and Board of Trustees Meeting held on 16-18 November 1989 were mailed and are considered attached to the August 89 Council minutes.

2 INFORMATION AND RECORD

2.1 Prizes to be awarded at Business Meeting.

It was announced in Executive Session that Shigefumi Mori was to be awarded the 1990 Cole Prize in Algebra and that Kenneth M. Hoffman was to be awarded the 1990 Award for Distinguished Public Service at the Prize Session of the Society.

2.2 Business Meeting on 18 January 1990 (Fossum).

After the Business Meeting of the Society on Thursday, 18 January 1990 there was a panel discussion of National Goals for mathematics education. Among the topics discussed were (briefly stated): Should the AMS be involved in mathematics education? If so, what should it be doing?

2.3 Fiftieth Anniversary of *Mathematical Reviews*.

During the meeting there was a celebration of the Fiftieth Anniversary of the founding of *Mathematical Reviews*.

2.4 National Association of Mathematicians.

The ECBT passed the following resolution at its 11/89 meeting.

The Executive Committee and Board of Trustees of the American Mathematical Society join the Council of the Society and its members in extending to the National Association of Mathematicians and its members congratulations and best wishes for the future as it celebrates the Twentieth Anniversary of its founding. The Society is pleased to recognize the important role the Association plays in promoting the sciences and looks forward to cooperation with it in the future.

2.5 Assistant Director for Mathematical and Physical Sciences at NSF.

A former member of the Council and active member of the Society, Dave Sanchez, Provost and Vice-President at Lehigh University, has been named Assistant Director for Mathematical and Physical Sciences at NSF. He will take over his duties in June 1990.

2.6 Future Meetings of the Council (Fossum).

The Council is scheduled to meet in 1990 as follows:

- 19 April 1990. Meets at 7:00 pm in Albuquerque, New Mexico. There will be a dinner for the Council at 5:30 pm. The Long Range Planning Committee will meet that morning and the Committee on Committees and the Committee on Science Policy will meet that afternoon at this Sectional Meeting of the Far Western Section.
- 07 August 1990. Meets at 2:00 pm in Columbus, Ohio before the beginning of the Annual Summer Meeting.
- 15 January 1991. Meets at 2:00 pm in San Francisco, CA before the Annual Joint Meeting.

2.7 Executive Committee Review of Publications (Fossum).

The Executive Committee is assigned the task of reviewing activities of the Society. It does so in a periodic manner. It has chosen three general topics to review, namely Meetings, Publications, and Everything else. Each review lasts typically two years, with the first year devoted to the whole area under review and the second year devoted to a special topic with that area, if needed. The last review, which ended in 1988, was on Meetings. The 11/88 ECBT Minutes contain a copy of that review. The next subject is Publications. At the 11/89 ECBT Meeting, the EC began its review of Publications. In an attachment (Attachment A.1), the review areas assigned to the EC members are listed in detail.

Members of the Council and members of the Society are encouraged to communicate concerns about the various aspects of Publications of the Society with the appropriate member of the EC.

2.8 Long Range Planning Committee (Fossum).

The Long Range Planning Committee (LRPC) is a committee of the Board of Trustees. Its members are the Chair of the BT, the Third year elected member of the EC (who serves as Chair), the Second year elected member of the EC, the Secretary, the Treasurer, and the Executive Director. In 1990 these members are: Ron Graham, William Thurston (Chair), Hugo Rossi, Robert Fossum, Franklin Peterson, and William Jaco.

Every five years, the LRPC is instructed to go into "high gear" in order to come up with a "five year plan" of action for the Society. Part of this activity involves examination of current activities of the Society so that the Committee can make recommendations for possible changes in programs, new directions for the Society, and/or elimination of activities. In the past, the LRPC has recommended such things as decreasing the size of the Council.

In the January 1990 issue of the *NOTICES*, Thurston asks for input into this review from members of the Society. Council members are especially encouraged to contribute to this process by making recommendations to the committee.

2.9 Joint Policy Board for Mathematics

The ECBT has been considering the role and structure of the Joint Policy Board for Mathematics (JPBM), which is an umbrella Board with the AMS, MAA, and the Society for Industrial and Applied Mathematics (SIAM) as members. JPBM consists of nine members, three from each of these organizations. The members from the AMS are the President, the Executive Director, and a member elected by the Council from the Council.

One activity of JPBM has been to support and direct the activities of the Office of Governmental and Public Affairs (OGPA), the so-called “Washington Presence” of these mathematical organizations. The former head of OGPA, Kenneth Hoffman, has recently resigned in order to assume the position as Executive Director of the Mathematical Sciences Education Board (MSEB). In the process of finding a new head, it was thought that a re-structuring of JPBM and OGPA might be required. In the course of examination of this restructuring, the Board of Trustees of SIAM took the action reported in Attachment A.2. Because of this action, which took place during the 11/89 ECBT Meeting, and because the members of the ECBT wished to continue to maintain an office in Washington (a “Washington Presence”), it passed a resolution, which can also be read in the aforementioned attachment. See also Item 4.4.2, where this is discussed further.

2.10 National Goals.

The Society was asked to submit a statement to the National Governors’ Association (NGA) task force to Develop National Goals for Education. The President of the Society has written a letter which, along with supporting material, is attached (Attachment A.3).

2.11 Bergman Trust.

A trust has been established by the estate of the widow of Stefan Bergman the income from which will be used for awards for research involving the Bergman kernel functions and differential equations. The terms of the trust state that the Trustees, in this case Wells Fargo Bank of California, request from the AMS a panel of experts to make recommendations annually for this award. This year the panel, consisting of Frederick Gehring, J. J. Kohn, Chair, and Halsey Royden, has named David Catlin as the recipient of the award. A copy of the citation is attached (see Attachment A.4).

2.12 Committee on Applications of Mathematics (Fossum).

The ECBT established an ad hoc committee of the Society, called the Committee on Applications of Mathematics, that should investigate possible programs and/or publications that the Society might initiate in order to enhance and promote research in areas of applied mathematics. It should study the feasibility and reasonability of these programs. It should mention benefits and pitfalls. Appointments have been made.

4 BOARDS AND COMMITTEES

The Council received and discussed reports as noted below:

4.1 Tellers for the Election of 1989.

The report of the Tellers was accepted (Attachment A.5). Newly elected members in contested elections are as follows:

Vice-President (for a term of two years beginning on 01 January 1990)

Lenore Blum
Dennis Sullivan

Member-at-Large (for a term of three years beginning on 01 January 1990)

Sheldon Axler
Joan Birman
Charles Herbert Clemens
Carl Pomerance
S.-T. Yau

Trustee (for a term of five years beginning on 01 January 1990)

John Polking.

There is an attachment showing the composition of the Council for 1990 (see Attachment A.5).

4.2 Tellers for the 1989 Election to the Nominating Committee and the Editorial Boards Committee.

The report of the Tellers for the election to the two Council committees was accepted (Attachment A.6). The new members of these committees are

Nominating Committee (for a term of three years)

Barbara Keyfitz
Ray Kunze
Robert Williams

Editorial Boards Committee (for a term of three years beginning on 01 January 1990)

Linda Keen
Barry Simon.

(In addition, President Browder has appointed Carlos Kenig to the Editorial Boards Committee for a term of two years to fill an open position on the committee.)

4.3 Editorial Boards Committee (EBC) (Zelinsky).

The Council considered, in Executive Session, the report of the EBC containing nominations for positions on various editorial boards.

4.3.1 Committee to Monitor Problems in Communication.

The Council elected Jon Barwise and Judy Green for three year terms on the Committee to Monitor Problems in Communication.

4.3.2 Contemporary Mathematics.

The Council elected Craig Huneke and Linda Rothschild to three year terms on the Contemporary Mathematics Editorial Board.

4.3.3 Proceedings of Symposia in Applied Mathematics.

The Council elected Ronald L. Graham to a three year term on the Proceedings of Symposia in Applied Mathematics Editorial Board.

4.3.4 Mathematical Surveys and Monographs.

The Council elected Victor W. Guillemin for a three year term and Marc A. Rieffel, to fill a vacant position, for a two year term on the Mathematical Surveys and Monographs Editorial Board.

4.4 Joint Policy Board for Mathematics (JPBM)

4.4.1 Report of the Council Representative to the JPBM (Veech).

The Council's Representative to the JPBM gave a report that is attached (Attachment A.7).

4.4.2 Report from Hugo Rossi.

Hugo Rossi reported on the search for a new Director of the Office of Governmental and Public Affairs in Washington, DC. He made recommendations that are found in the attached report (Attachment A.8). It was moved, seconded and passed that

it is the sense of the Council that it supports the continued efforts of JPBM and OGPA.

4.5 Report from the AMS-MAA Committee on Employment and Educational Policy (Connors).

A report from the AMS-MAA Committee on Employment and Educational Policy was received and is attached (Attachment A.9).

4.6 AMS-MAA-SIAM Committee on Employment Opportunities (Davis).

A report from the AMS-MAA-SIAM Joint Committee on Employment Opportunities was received and is attached (Attachment A.10).

4.7 Academic Review (Goldhaber).

The Academic Review Committee was established late in 1988 in order that the Society could respond to requests made to the Society for suggestions for members of various types of review panels. The Committee has not been active because it has not yet been made known to the mathematical community that this committee exists and therefore no requests have been received (until very late in November) for recommendations. The report of the committee was received and is attached (Attachment A.11). A request was made that more prominent notice of the existence of this committee should appear in the *NOTICES* of the Society.

4.8 *ad hoc* MAA Committee on Preparation for College Teaching (Case).

A report from the Committee on Preparation for College Teaching was received and is attached (Attachment A.12).

4.9 AMS-AWM-ASA-IMS-MAA-NCTM-SIAM Committee on Women in the Mathematical Sciences (Gilmer).

The report of the AMS-AWM-ASA-IMS-MAA-NCTM-SIAM Committee on Women in the Mathematical Sciences was received and is attached (Attachment A.13).

4.10 AMS-SIAM Committee to Screen Applicants for Graduate Study From the People's Republic of China (Benney).

The report of the AMS-SIAM Committee to Screen Applicants for Graduate Study From the People's Republic of China was received and is attached (Attachment A.14).

4.11 AMS Committee on Archives (Pitcher).

The report of the Committee on Archives was received and is attached (Attachment A.15).

4.12 AMS Committee on Professional Ethics (Keen).

The report of the Committee on Professional Ethics was received and is attached (Attachment A.16).

4.13 AMS Committee on Cooperation with the Chinese (Palais).

The report of the Committee on Cooperation with the Chinese was received and is attached (Attachment A.17). The Council was asked to discharge the Committee. However, it agreed to reconstitute the Committee with a different charge.

4.14 *ad hoc* Committee on Applied Mathematics (Taylor).

This committee, having completed its tasks, was discharged with thanks.

4.15 Committee on NCTM Standards.

This committee, having completed its tasks, was discharged with thanks.

4.16 Committee on Election Scheduling.

This committee, having completed its tasks, was discharged with thanks.

4.17 Committee on Vending Software (Fossum).

This committee reported to the 11/89 ECBT which accepted its recommendations. The final report is attached (Attachment A.18). The committee, having completed its task, was discharged with thanks.

4.18 Committee on Electronic Exchange of Information (CEEI) (Palais).

The Committee reported to the 05/89 ECBT (Item 6.14 and Attachment #38 of the 05/89 ECBT Minutes). The Society is in the process of establishing some sort of information retrieval node on the INTERNET. The exact nature of this node is not yet determined. Information will be forthcoming, for example in the *NOTICES*, when it is operational. "Editorial" review will be placed, initially, in the hands of the Committee to Monitor Problems in Communication. The CEEI, having completed its tasks, was discharged with thanks.

4.19 *ad hoc* Committee on Fellowship Policy.

This committee, having completed its tasks, was discharged with thanks.

4.20 MS2000.

James Voytuk, Executive Director of MS2000, reported to the Council on recent activities.

4.21 Mathematical Association of America (MAA).

The President of MAA, Lida Barrett, reported to the Council from MAA.

4.22 Committee on Science Policy (CSP) (Douglas/Reed).

The Chair of 1989 Committee, Ron Douglas, reported to the Council on activities of the Committee. A report of the status of actions taken by CSP can be found in Attachment A.21.

4.22.1 Accreditation of Mathematics Programs.

The Committee recommended that the President inform, in writing, other organizations involved with the establishment of accreditation procedures that the Society is interested in maintaining lines of communication (see Attachment #2 of the 11/89 ECBT minutes and Attachment A.19).

4.22.2 Doctoral and Post-Doctoral Training.

The Chair of CSP lead a discussion of Doctoral and Post-Doctoral training based on a white paper (see Attachment A.20). It was suggested that a standing committee on graduate education be established by the Council.

4.23 *ad hoc* Committee to Review the Procedures of the Council in Considering Issues (Pour-El).

The report of the Committee was received and is attached (Attachment A.22). Marian Pour-El, Chair of the Committee gave an oral amplification of the report. The Committee, having completed its business, was discharged with thanks.

4.24 *ad hoc* Library Committee (Rovnyak).

The committee has submitted a report to the 11/89 ECBT. This report can be found in the minutes of the 11/89 ECBT. James Rovnyak, Chair of the Committee, gave an oral report.

4.25 Executive Committee and Board of Trustees (ECBT) recommendations to the Council.

The 11/89 ECBT approved, subject to Council approval, a new book series “Graduate Texts” and requested Council concurrence. The Council concurred by passing the motion:

The Council agrees to establish a book series entitled “Graduate Texts”.

An editorial board will be appointed.

4.26 Human Rights of Mathematicians (Schafer).

A report of the AMS Committee on Human Rights of Mathematicians is not attached, since it is the policy not to publicize names of individuals. The report is on file with the Secretary of the Society. The Chair of the Committee, Alice T. Schafer, presented a brief oral report.

4.27 AAAS-AMS-MAA Committee on Opportunities in Mathematics for Underrepresented Minorities (Gilmer).

The annual report of this committee is attached (see Attachment A.23).

4.28 AMS-MAA Committee on Teaching Assistants and Part-time Instructors (TA/PTI) (Case).

The annual report of this committee is attached (see Attachment A.24). (This agendum was inadvertently omitted in the Council Agenda by the Secretary, however the report was attached to the Agenda.)

8 UNFINISHED BUSINESS.

8.1 Elections

8.1.1 Election of Vice-Presidents.

The August 89 Council requested that Secretary draft appropriate amendments to the Bylaws, for Council consideration, to the effect that two Vice-Presidents should be elected each year for a term of three years. The following amendments to the Bylaws were presented.

Current Article I, Section 1. There shall be a president, a president-elect (during the even-numbered years only), an ex-president (during the odd-numbered years only) **three** vice-presidents, a secretary, four associate secretaries, a treasurer, and an associate treasurer.

Amended Article I, Section 1. There shall be a president, a president-elect (during the even-numbered years only), an ex-president (during the odd-numbered years only) **six** vice-presidents, a secretary, four associate secretaries, a treasurer, and an associate treasurer.

Current Article VII, Section 1. The term of office shall be one year in the case of the president-elect and the ex-president; five years in the case of the trustees; two years in the case of the president, **the vice-presidents**, the secretary, the associate secretaries, the treasurer, and the associate treasurer. The term of office in the case of [...] for a shorter term. The term of office for members-at-large of the Council shall be three years, five of the members-at-large retiring annually. [...]

Amended Article VII, Section 1. The term of office shall be one year in the case of the president-elect and the ex-president; five years in the case of the trustees; two years in the case of the president, the secretary, the associate secretaries, the treasurer, and the associate treasurer. The term of office in the case of [...] for a shorter term. The term of office for **vice-presidents and** members-at-large of the Council shall be three years, **two of the vice-presidents and** five of the members-at-large retiring annually. [...]

This proposed amendment was amended by deleting the Amended Article I, Section 1. and changing the word “two” to “one” in the amended Article VII, Section 1. The amended Amendment was passed. The effect of this is that the following amendment will be presented to the membership in the Election of 1990:

Current Article VII, Section 1. The term of office shall be one year in the case of the president-elect and the ex-president; five years in the case of the trustees; two years in the case of the president, **the vice-presidents**, the secretary, the associate secretaries, the treasurer, and the associate treasurer. The term of office in the case of [...] for a shorter term. The term of office for members-at-large of the Council shall be three years, five of the members-at-large retiring annually. [...]

Amended Article VII, Section 1. The term of office shall be one year in the case of the president-elect and the ex-president; five years in the case of the trustees; two years in the case of the president, the secretary, the associate secretaries, the treasurer, and the associate treasurer. The term of office in the case of [...] for a shorter term.

The term of office for **vice-presidents and** members-at-large of the Council shall be three years, **one of the vice-presidents and** five of the members-at-large retiring annually. [...]

8.1.2 Treasurer and Associate Treasurer.

The Committee on Election Scheduling considered the terms of office for the Treasurer and Associate Treasurer. Debate on its recommendation was postponed until this January 90 Council meeting. Specifically the committee's recommendations were:

Treasurer and Associate Treasurer. (a) The term of office for Treasurer and Associate Treasurer shall be five years. A Treasurer or Associate Treasurer may be re-elected for at most one additional term.

(b) Phase-in. At the time this provision takes effect, the current term of the Associate Treasurer will be extended by two years. A Treasurer or Associate Treasurer, at the end of a term of less than five years, who has served a total of three or more years may be elected for at most one additional five year term, and any Treasurer or Associate Treasurer who has served two years or less may be elected for two additional five year terms.

(c) Treasurer-designate and Associate Treasurer-designate. One year before the end of the last term of a Treasurer or Associate Treasurer, as determined either by a letter of intent to resign or by the provisions above, a Treasurer-designate or Associate Treasurer-designate shall be elected. The Treasurer-designate and Associate Treasurer-designate will be a non-voting member of all bodies on which the corresponding officer is an ex-officio member.

(d) Ex-officio Membership. The Treasurer and Associate Treasurer shall be ex-officio members of the Board of Trustees, but not the Council. This provision shall take effect the beginning of the term following the first election after it is enacted.

(e) Number of candidates. Two qualified candidates shall be sought for each election for a Treasurer-designate, a Treasurer when there is no Treasurer-designate, an Associate Treasurer-designate, or an Associate Treasurer when there is no Associate Treasurer-designate.

It was moved, seconded, and passed to amend the proposal by deleting item (d) (and thus changing item (e) to (d)). Item (a) was defeated by the Council (and thus (b) became moot).

It was moved, seconded, and passed that no treasurer or associate treasurer should serve more than five consecutive terms in the position. (The Secretary interprets this as a recommendation that an amendment to the Bylaws be drafted for consideration by the April 90 Council.)

The Council adopted an advisory position that no sitting Treasurer or Associate Treasurer who is being renominated should be opposed in an election.

8.1.3 Fine Adjustments to terms of office.

The same committee made recommendations concerning the terms of office for officers and members of the Council.

Terms of office for Council, Vice-Presidents, and Presidents shall begin on February 1 following the election. In the year that this provision takes effect, all terms which were to expire on January 1 are extended by one month, to expire on February 1.

The Council approved this recommendation and the Secretary will prepare the appropriate amendment to the Bylaws for action by the April 90 Council so that it can be submitted to the membership in the 1990 Election. Bylaws changes will also involve election to the Executive Committee.

8.1.4 Presentation of Candidates to the Membership.

The same committee made recommendations concerning how the election material should be presented to the membership

(a) The statements and biographical material on candidates shall be published in the *Notices* at least two weeks before ballots are mailed, and the material shall also be included with the ballots.

(b) The candidate material should be gathered and organized in accordance with the discussion below (NB. This discussion is not included. See the minutes of the April 89 Council.) and discussion in the Council. A committee of the Council shall be established to help with the gathering and reorganization of candidate material, in cooperation with the Secretary and AMS staff.

The Council agreed to raise the “limit” on statements by candidates from 100 to 200 words. It suggested that the “Nominator” for a candidate for President-Elect be chosen by the candidate. It agreed with items (a) and (b) above as modified by these suggestions.

8.2 Book Reviews in the *Bulletin* (Editorial Boards Committee).

The Council has recently considered several matters concerning book reviews in the *Bulletin* of the American Mathematical Society (BAMS). These have been referred to the Editorial Boards Committee (EBC). The Editorial Boards Committee submitted the following recommendation for consideration by the Council:

STATEMENT ON POLICY ON EDITORIAL CONTROVERSIES,
ESPECIALLY IN CONNECTION WITH BOOK REVIEWS IN BAMS
Proposed to the AMS Council by the Editorial Boards Committee, Dec., 1989

1. Controversial reviews are acceptable for BAMS.
2. Corrections and rebuttals should appear in print. Corrections to erroneous statements of fact in a Bulletin book review should appear in the Bulletin, just as an author’s corrections to a research paper will appear in the same journal as the paper. Rebuttals by the author of a book reviewed should, as a matter of policy, appear in Letters section of the Notices.
3. In case an author of a book under review is still not satisfied, the appeal should be referred to the EBC. The Council should be involved, if necessary, as a final board of appeal.

As a corollary of 1, once a review is commissioned or otherwise proposed to a reviewer, an editor should not refuse to accept it merely because it is too controversial.

This was offered as a resolution for Council adoption.

An amendment to remove the words “by the author of a book reviewed” was passed. An amendment to strike the last paragraph was passed. It was then moved, seconded and passed that the “revised” resolution be returned to the EBC with a strong recommendation that the EBC consider a policy of allowing rebuttals in the *Bulletin*.

9 NEW BUSINESS

9.1 Prizes (Fossum).

The Council considered and passed the following item in Executive Session.

The Council gratefully accepts the contribution of Professor Joan Birman, the income from which will be used to fund a biennial award to honor the memory of Ruth Lyttle Satter. The prize is to be for an outstanding contribution to research in mathematics during the past five years. It is to be awarded to a woman mathematician.

The Council establishes a standing committee called the Committee to Select the Winner of the Satter Prize, members of which will be appointed biennially by the President and charges for which will be determined by the Secretary in a fashion similar to those of other selection committees.

This committee will report its biennial recommendations to the Executive Committee of the Council which will in turn act on the reports of this committee.

The award will be presented at the Prize Session of the Business Meeting held during the Annual Meeting of the Society in odd numbered years, the first award to be made in 1991.

9.2 Privileges of Emeritus Members—Amendment to the Bylaws (ECBT).

Article IX of the Bylaws concerns *Dues and Privileges of Membership*. Section 8 of this article defines a class of membership called, for want of a better term, “Emeritus” Members (although that term is not used in the Bylaws). Currently an Emeritus Member pays no dues. Such a member does not receive the *Bulletin* as a privilege of membership. The Board of Trustees recommended that all Emeritus members should be able to receive the *Bulletin* at no cost.

The Secretary moved, on behalf of the Executive Committee and the Board of Trustees, and the Council agreed to recommend to the membership in the next election (Fall 1990) the following amendment to Article IX, Section 8 of the Bylaws:

Current Section 8. After retirement from active service on account of age or on account of long term disability, any ordinary or contributing member who is not in arrears of dues and with membership extending over at least twenty years may, by giving proper notification to the secretary, have dues remitted, on the understanding that the member will thereafter receive the *Notices* but not the *Bulletin*.

Amended Section 8. After retirement from active service on account of age or on account of long term disability, any ordinary or contributing member who is not in arrears of dues and with membership extending over at least twenty years may, by giving proper notification to the secretary, have dues remitted. **Such a member shall receive the *Notices* and may request to receive the *Bulletin* as privileges of membership during each year until membership ends.**

9.3 Advertisements in the *Notices* (Stark).

Harold Stark requested that the Council consider two recent advertisements in the NOTICES. Copies of these are attached (Attachment A.25). Stark asked that the Council take a position against advertisements of the first example and that it request some sort of “truth in advertising” with respect to the second example.

A motion to establish a policy that “quotes in advertisements in Society publications should be attributed” failed.

9.4 Mathematische Gesellschaft in Hamburg.

The Mathematische Gesellschaft in Hamburg will celebrate its 300th Anniversary from 18—24 March 1990. It is the oldest surviving mathematical society (without a regular periodical). The Secretary moved and the Council passed the resolution:

The Council of the American Mathematical Society extends to the oldest surviving mathematical society, the Mathematische Gesellschaft in Hamburg, congratulations and best wishes for the future on the occasion of its Third Centenary. It hopes the celebration of this event will be a great success and that the Gesellschaft will continue to prosper in the promotion of the mathematical sciences.

9.5 Deutsche Mathematiker Vereinigung e.V. (DMV).

The Deutsche Mathematiker Vereinigung e.V. was founded one hundred years ago at Bremen. The Annual Conference of the DMV will celebrate this occasion at Bremen on 17-22 September 1990. The DMV has invited the AMS to be represented. The President will appoint a delegation. The Secretary moved and the Council passed the following resolution:

The Council of the American Mathematical Society sends congratulations to the Deutsche Mathematiker Vereinigung e.V. on the occasion of the 100th Anniversary of its founding to be celebrated in Bremen in September 1990. It looks forward to continued cooperation with DMV in advancing the frontiers of mathematics by discussions of joint meetings and other forms of joint activities. It extends its best wishes for the future of DMV.

9.6 Mathematics in Rumania.

The attached telex was received in Sweden. Also the response from the Swedish Mathematical Society is attached. (See Attachment A.26.) A sense of the meeting motion was passed that the President should write a letter, if necessary, in support of Rumanian mathematicians.

The Council adjourned at 7:06 pm.
Robert M. Fossum, Secretary
Champaign, Illinois
16 February 1990

A Attachments

A.1 Executive Committee Review of Publications.

TOPICS SUGGESTED FOR EXECUTIVE COMMITTEE REVIEW OF PUBLICATIONS

- I. Growths of Journals and Book Series (**Browder**)
 - A. Journals
 1. Specialty Journals, Marketing and Distribution of Foreign Journals, Relationship with Translated Journals, Competing with Other Journals...
 2. Mechanism for placing New Journal into Production/Distribution
 - B. Books
 1. New Book Series
 2. Graduate Text
 3. Popular Books
 4. Math Education
 5. AMS Imprimatur on Series
 6. Mechanism for Placing Books in Series, Books out of Series, Books not Edited by AMS
 - C. Acquisitions/Scientific Quality Control
- II. International Cooperation and Translation Program (**Kra**)
 - A. Foreign Distribution
 - Discounting and Third World Arrangments
 - B. Co-publishing with Other Math Societies, Co-publishing with Foreign Publishing Houses
 - C. Growth of Translated Books and Journals
 1. Acquisition/Scientific Quality
 2. Production Quality
- III. Marketing and Distribution (**Fossum**)
 - A. Marketing/Promotions
 - B. Bookstore Distribution
 - C. Site Loads
 - D. Electronic Delivery
- IV. Production (**Thurston**)
 - A. Commitment/Support of TeX
 - B. Electronic Media & Delivery
 - C. Paper Production
 - D. Quality
- V. Mathematical Reviews (to be named)
 - A. Scientific Issues vs. Economic Issues
 - B. Electronic Delivery of Database
- VI. Review of Existing Publication (**Rossi**)
 - A. Quality
 - B. Functioning of Editorial Boards
 - C. Functioning of EBC

A.2 Joint Policy Board for Mathematics (JPBM).

Actions of SIAM Board of Trustees Regarding Issues Related to the Office of Governmental and Public Affairs

On November 9, 1989, the SIAM Board of Trustees took the following actions:

- That it approve an expenditure of \$1,508 to cover SIAM's share of the expenses required to move the Office of Governmental and Public Affairs (OGPA) from the Mathematical Sciences Education Board (MSEB) to its new offices at the headquarters of the Mathematical Association of America (MAA).
- That the future operation of the Joint Policy Board for Mathematics (JPBM) in relation to the OGPA be reduced with an emphasis on maintaining those activities that have been most successful in the past, activities like those of Kathleen Holmay & Associates, and in particular, that the SIAM Board of Trustees does not endorse the presence of a Washington office for OGPA.

In taking the second of these actions, the board stressed its desire to continue its membership on the JPBM and suggested the possibility that public information activities could be managed by JPBM along the lines that had been proposed by JPBM for the restructuring of JPBM.

I. Edward Block SIAM Managing Director

Meeting of the
Executive Committee and Board of Trustees
American Mathematical Society
November 17, 1989

The ECBT views with disappointment the recent resolution of the Board of Trustees of SIAM to withdraw its support from certain aspects of the operation of OGPA. Being persuaded that the work of JPBM and that office has been beneficial in many important respects, we are resolved

A: to continue an office in a form which is, in principle, described in the Recommendation of October 28 of the JPBM. We recommend to the BT that funding be continued at an appropriate level through the calendar year of 1991.

B: to invite the MAA to continue its cooperation and support in this office, and to participate in discussions, the objective of which is to devise a suitable method of operation for that office in the long run.

The ECBT directs the President to appoint a committee to propose to the Council an interim solution for this transitional period, and to establish the structure of a permanent "Washington presence".

The ECBT approves the AMS's continued involvement in JPBM.

[NB. The "Recommendation of October 28" referred to above was, in essence, a recommendation to add to JPBM a tenth member who would serve as a permanent chair of the Board to continue to maintain an office in Washington, the director of which would report to this permanent chair. Details can be found in the 11/89 ECBT Minutes. (Added by the Secretary 01 December 1989.)]

A.3 President's Letter to the National Governors' Association.

NOTICE:

This letter (dated December 1, 1989) was written by William Browder, on behalf of the American Mathematical Society, to Mr Michael Cohen of the National Governors' Association in Washington, DC.

In the letter, William Browder urges the National Governors' Association to support the AMS and related educational institutions and bodies in the goal of educating the American population in mathematical skills. Browder suggests two time-defined goals for adoption by the NGA and outlines strategies to be implemented at the state level that are designed to improve mathematics skills at the college level and to upgrade the quality of graduate mathematics education.

Enclosed in the letter is a paper from the Mathematical Association of America in Collaboration with the Mathematical Sciences Education Board and a paper from the National Council of Teachers of Mathematics, both outlining national goals for mathematics education.

A hardcopy of this material (5 pages) is available from the office of

Prof. Robert Fossum
American Mathematical Society
Department of Mathematics
University of Illinois
1409 W Green St
Urbana, IL 61801-2975 / USA
Phone: (217) 244-1741
Fax: (217) 244-8192
Internet: robert@odin.math.uiuc.edu

A.4 Bergman Trust.

NOTICE:

This attachment contains a brief description of some of the work of David Catlin on subellipticity, written by J. J. Kohn.

A hardcopy of this material is available from the office of

Prof. Robert Fossum
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Fax: (217) 244-8192
Internet: robert@odin.math.uiuc.edu

A.5 Report of the Tellers for the 1989 Election

NOTICE:

In this report, Leo Comerford, Jr., and Robert Megginson, the tellers of the 1989 election, communicate the votes of the 4348 received ballots to Robert Fossum.

A hardcopy of their report is available from the office of

Prof. Robert Fossum
American Mathematical Society
Department of Mathematics
University of Illinois
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Urbana, IL 61801-2975 / USA
Phone: (217) 244-1741
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Internet: robert@odin.math.uiuc.edu

1990 COUNCIL

AMERICAN MATHEMATICAL SOCIETY

President	William Browder	Former Secretary	Everett Pitcher
President-Elect	Michael Artin	Secretary	Robert M. Fossum
Vice Presidents	Lenore Blum	Associate Secretaries	Joseph A. Cima
	Sun-Yung Alice Chang		W. Wistar Comfort
	Dennis P. Sullivan		Andy Roy Magid
Treasurer	F.P. Peterson		Lance W. Small
Associate Treasurer	Steve Armentrout		

Representatives of Committees

Bulletin Editorial Committee	Murray H. Protter, Chair
Colloquium Editorial Committee	Raoul H. Bott, Chair
Committee to Monitor Problems in Communications	to be elected, Chair
Journal of the American Mathematical Society	Michael Artin, Chair
Mathematical Reviews Editorial Committee	B.A. Taylor, Chair
Mathematical Surveys Editorial Committee	M. Susan Montgomery, Chair
Mathematics of Computation Committee	Walter Gautschi, Chair
Proceedings Editorial Committee	William J. Davis, Chair
Representative on American Journal	M. Salah Baouendi
Science Policy Committee	Michael C. Reed, Chair
Transactions and Memoirs Committee	David J. Saltman, Chair

Members at Large

Jonathan L. Alperin	Sheldon Axler	Joan S. Birman
Fan R.K. Chung	Charles Herbert Clemens	Lawrence J. Corwin
Richard K. Guy	Rhonda J. Hughes	Robion C. Kirby
Irwin Kra	Albert Marden	Carl Pomerance
Michael C. Reed	Hugo Rossi	Harold M. Stark
William Thurston	Shing-Tung Yau	

Trustees

Steve Armentrout	William Browder	Frederick W. Gehring
Ronald L. Graham	M. Susan Montgomery	F.P. Peterson
John C. Polking	Paul Sally, Jr.	

A.6 Report of the Tellers for the 1989 Election to the Nominating Committee and the Editorial Boards Committee.

Election to 1990 Nominating Committee

**Robert Fossum
Kelly Sheehan**

21 November 1989

This is the report on the election of the 1990 Nominating Committee. There were 3756 valid ballots. To each ballot was assigned a value of 1000. There were three persons to be elected from among six candidates. The quota for election was

$$\left[\frac{3756 \times 1000}{3 + 1} \right] + 1 = 939001.$$

The initial count was:

Initial Count		
Name	No. of Papers @ 1000	Total
Robert F. Williams	872	872,000
Ray A. Kunze	824	824,000
Paul C. Roberts	210	210,000
Barbara Lee Keyfitz	834	834,000
Robert M. Hardt	446	446,000
Sylvain E. Cappell	570	570,000

No one was elected, so **Roberts** was declared defeated. His papers were distributed at value (1,000) with 21,000 lost value.

After Roberts Distribution			
Name	No. of Papers @ 1000	Add	Total
Robert F. Williams	872	33	905,000
Ray A. Kunze	824	45	869,000
Barbara Lee Keyfitz	834	45	879,000
Robert M. Hardt	446	29	475,000
Sylvain E. Cappell	570	37	607,000
Non-Transferable		21	21,000
Total		210	3,756,000

No one was elected, so **Hardt** was declared defeated. His papers were distributed at value received (1,000).

After Hardts Distribution			
Name	No. of Papers @ 1000	Add	Total
Robert F. Williams	905	85	990,000
Ray A. Kunze	869	128	997,000
Barbara Lee Keyfitz	879	119	998,000
Sylvain E. Cappell	607	102	709,000
Non-Transferable	21	41	62,000
Total		475	3,756,000

Keyfitz, Kunze, and Williams were declared elected.

Election to 1990 Editorial Boards Committee

**Robert Fossum
Kelly Sheehan**

27 November 1989

The is the report on the election of the 1990 Editorial Boards Committee. There were 3746 valid ballots. To each ballot was assigned a value of 1000. There were two persons to be elected from among four candidates. The quota for election was

$$\left[\frac{3746 \times 1000}{2 + 1} \right] + 1 = 1248667.$$

The initial count was:

Initial Count		
Name	No. of Papers @ 1000	Total
Linda Keen	1544	1,544,000
Carlos Kenig	458	458,000
Andrew Odlyzko	735	735,000
Barry Simon	1009	1,009,000
Total	3746	3,746,000

Keen was declared elected. His surplus of $154400 - 1248667 = 295333$ was distributed among 1544 papers each with value 191. There were 429 lost points.

After Keen Distribution			
Name	No. of Papers @ 1000	@ 191	Total
Linda Keen			1,248,667
Carlos Kenig	458	318	518,738
Andrew Odlyzko	735	412	813,692
Barry Simon	1009	459	1,096,669
Non-Transferable		355	67,805
Lost			429
Total			3,746,000

No one was elected, so **Kenig** was declared defeated. His papers were distributed at value received (458 @ 1000 and 318 @ 191).

After Kenig Distribution					
Name	No. @1000	@191	@1000	@191	Total
Linda Keen					1,248,667
Andrew Odlyzko	735	412	133	92	998,000
Barry Simon	1009	459	225	114	1,343,443
Non-Transferable		355	100	112	189,197
Lost					429
Total					3,746,000

Simon was declared elected and **Odlyzko** defeated.

Thus Keen and Simon are declared elected members of the Editorial Boards Committee for a term of three years beginning on 01 January 1990.

A.7 Report from the Council's representative to the Joint Policy Board for Mathematics (JPBM).

NOTICE:

A copy of this nine-page report, which was written by William Veech and deals mainly with the interactions between JPBM and the Executive Branch in Washington, DC, the mathematical sciences community, and the media, can be obtained from the office of

Prof. Robert Fossum
American Mathematical Society
Department of Mathematics
University of Illinois
1409 W Green St
Urbana, IL 61801-2975 / USA
Phone: (217) 244-1741
Fax: (217) 244-8192
Internet: robert@odin.math.uiuc.edu

A.8 Report from Hugo Rossi.

NOTICE:

A copy of this ten-page report can be obtained from the office of

Prof. Robert Fossum
American Mathematical Society
Department of Mathematics
University of Illinois
1409 W Green St
Urbana, IL 61801-2975 / USA
Phone: (217) 244-1741
Fax: (217) 244-8192
Internet: robert@odin.math.uiuc.edu

A.9 Report of the AMS-MAA COMMITTEE ON EMPLOYMENT AND EDUCATIONAL POLICY (CEEP).

Report to the AMS Council

Edward A. Connors, Chair

November 1989

CEEP sponsored a well attended and well received panel at the Phoenix meeting on Recruiting Mathematical Talent for Graduate Programs. At the Boulder meeting the Committee discussed two letters referred to it, expressing concerns about some perceived problems for mathematicians seeking employment (P. Nevai's concern for Russian emigres seeking employment in the U.S., and S. Mac Lane's letter about employment concerns). In an effort to discover data to support what so far appear to be anecdotal reports, CEEP will recommend to the Joint Committee on Employment Opportunities that a followup survey be conducted of applicants at the Louisville Employment Register and their experiences seeking employment. This matter will be discussed further at the Louisville meeting. Also discussed at the Boulder meeting was the need for a professional-quality videotape on good mathematical presentations, interviewing, etc., possibly to be run at each Employment Register as a service to applicants. At the Boulder meeting, CEEP members attended the MAA Committee on Accreditation panel and, in a discussion at the CEEP meeting with the chair of the MAA Committee, informally recommended that the Accreditation Committee go ahead with a pilot process for a year or so, refining the accreditation procedure as experience is gained. Members are currently involved with the preparations for the 1990 CBMS Survey on Undergraduate Programs; in connection with this Survey, the AMS Providence staff are expanding and improving their database of departments. The publication for which CEEP has oversight, Assistantships and Graduate Fellowships in the Mathematical Sciences, is now in its second year as a standalone issue. The distribution was adjusted in 1989 to allow individual AMS members to receive a complimentary copy, thus ensuring wide distribution to advisors of prospective graduate students.

In 1989 the Employment Concerns Subcommittee was disbanded, and the Data Subcommittee, by action of the AMS Council and the MAA Board of Governors, will become a full standing committee as of January 1, 1990.

Ed Connors wrote an article to appear in the January 1990 Notices (Inside the AMS section) entitled "CEEP and the Annual Survey". Short data related articles have also been written for future issues of MAA Focus.

A substantial part of the agenda for CEEP's Louisville meeting will focus on future activities of CEEP in its new charge.

Subcommittee activities in 1989:

Data Subcommittee: Met in March to plan for the 1989 Annual AMS-MAA Survey. The Faculty Status Survey was substantially altered to collect salary and age data. Salary data was reported graphically in the First Report of the 1989 Survey (November 1989 Notices); age data will appear in

the Second Report in a spring 1990 Notices. Reprints of Survey Reports are available from the AMS Providence office.

Short Course Subcommittee: The Phoenix Short Course (Matrix Theory and Applications) was well attended, with 143 registrants; the Boulder Short Course (Cryptology and Computational Number Theory) had 175 registrants and was one of the most highly regarded Short Courses presented at meetings. The Louisville Short Course topic is Mathematical Questions in Robotics (organizer Roger Brockett), and the topic of Game Theory (organizer Richard K. Guy) has been approved for the Columbus Short Course. The proceedings volume for the Short Course on Chaos and Fractals appeared in the AMS series, Proceedings of Symposia in Applied Mathematics, and is selling phenomenally well. The volume has also been chosen as the book of the month of the Macmillan Science Book Club.

Members of CEEP in 1989

Donna L. Beers (1991), Morton Brown (1989), Stefan A. Burr (1989), Edward A. Connors, chair (1991), Philip C. Curtis, Jr. (1990), David J. Lutzer (1989), James J. Tattersall (1990).
(Bernard L. Madison has been appointed to CEEP 1990-1992.)

Members of Data Subcommittee in 1989

Edward A. Connors, chair (1990), Don O. Loftsgaarden (1990), Lincoln K. Durst, consultant David J. Lutzer (1990), John D. Fulton (1991), James W. Maxwell (ex officio), James F. Hurley (1991), Donald E. McClure (1990), Charlotte Lin (1992), Donald C. Rung (1992).

Members of Employment Concerns Subcommittee in 1989

Morton Brown (1989) and Barnet M. Weinstock, chair (1989).

Members of Short Course Subcommittee in 1989

Stefan A. Burr, chair (1992), Barbara L. Osofsky (1991), R. Peter DeLong (1991), Marjorie L. Stein (1990), Lisl Novak Gaal (1992), James J. Tattersall (1990), Robert P. Kurshan (1990).

A.10 Report of the AMS-MAA-SIAM COMMITTEE ON EMPLOYMENT OPPORTUNITIES.

To: Robert M. Fossum Kenneth A. Ross Robert G. Voigt
Secretary, AMS Secretary, MAA Secretary, SIAM

From: Ronald M. Davis, Chair
AMS-MAA-SIAM Joint Committee on Employment Opportunities

Re: 1989 Annual Report of the Joint Committee

In the past year the committee has been studying how to expand the transfer of information about employment opportunities to the broad mathematical community. The committee has worked to make the Employment Register more responsive to employers and applicants and has sought to make the publication, *Employment In the Mathematical Sciences*, of interest to an even broader community of mathematicians.

In January, 1989 the Employment Register at Phoenix served 367 applicants and 175 employers. Many of the employers were hiring for more than one position. With the increased imbalance in the ratio between applicants and employers, the committee raised questions about the effectiveness of the matching algorithm and suggested a survey of applicants to determine the number of requested interviews that were made. The committee also has asked that the Employment Register undertake a follow-up study of a sample of the participants to determine the effectiveness of the service provided. The committee suggested refinements in the applicant registration form to reflect several categories of non-US citizenship in light of Immigration requirements and has suggested that the AMS examine strategies for providing printouts to employers of applicants who meet several criteria.

The committee is looking at ways that the EIMS can better serve individuals interested in government employment, industry employment, and employment at two-year colleges. The problem with assisting two-year colleges with faculty searches is exacerbated by an often short turn around time from authorization of positions to hiring. The committee also authorized the discontinuance of the Winter List of Applicants since this duplicates the listing in the December EIMS.

Finally, several publications have either been rewritten or are being revised. These include "Professional Training", "Seeking Employment in the Mathematical Sciences", and "Careers in Mathematics."

The Joint Committee solicits comments and recommendations from its sponsoring organizations regarding its activities.

A.11 Report of the ACADEMIC REVIEW COMMITTEE.

MEMORANDUM

TO: Robert M. Fossum

FROM: J. K. Goldhaber

RE: Academic Review

The Committee has not been active. As a matter of fact, I did not activate it for the following reason: shortly after the Committee was appointed, I received a copy of a letter from Richard S. Millman of the MAA to Everett Pitcher that implicitly (according to my reading) questioned the necessity for the existence of this Committee. I called Pitcher who directed me to Fossum. I inquired whether the Committee should continue to consider itself constituted. A reply was to be made to me later. Not having received such, I assumed an early demise of the Committee.

A.12 Report of the ad hoc MAA COMMITTEE ON PREPARATION FOR COLLEGE TEACHING.

November 26, 1989

To: AMS Council
MAA Board of Governors

From: The Committee on Preparation for College Teaching (ad hoc AMS-MAA-SIAM)

The active discussion in the Boulder Council meeting of an early draft of committee thought was helpful in the preparation of the First Report which is in the December *NOTICES*. (See "How Should Mathematicians Prepare for College Teaching?") The Committee appreciates assistance through the Providence office in this effort. Further comments to the committee, and information about implementation of these items, are solicited.

The current correspondence to the committee is very active, and often the information which is requested is not readily available. A funding proposal has been prepared with help through the MAA; this project would lead to pilots related to committee ideas. This, or a more modest effort, would allow more complete committee consideration of its charge (see "open questions" in the First Report) and publication of useful materials.

Respectfully submitted,

Bettye Anne Case, Chair

**A.13 Report of the AMS-AWM-ASA-IMS-MAA-NCTM-SIAM COMMITTEE
ON WOMEN IN THE MATHEMATICAL SCIENCES**

16 November, 1989

TO: The Council of the American Mathematical Society

FROM: Sue Geller, Chair
**AMS-AWM-ASA-IMS-MAA-NCTM-SIAM¹ Committee on Women in the
Mathematical Sciences**

RE: Annual Report

• **Charge:**

1. to identify and recommend to the parent organizations those activities which, in the committee's opinion, should be taken to alleviate disadvantages that women in the mathematical sciences now experience and to document these recommendations and actions by presenting appropriate data.
2. to identify, describe and disseminate information on those activities and materials which enhance the status of women in the mathematical sciences.
3. to collect and disseminate data on the current status of women in the mathematical sciences.

• **Report on this year's activities and announcements**

1. Sue Geller, professor of mathematics at Texas A&M University and AMS representative to this committee, has been elected chair of the Joint Committee. Please send requests and information concerning this committee to her at Department of Mathematics, Texas A&M University, College Station, Texas 77843-3368. She may be reached by e-mail:

SCG6666@tamvenus.bitnet.

2. We have continued collecting statistics on the proportion of women publishing in and the relative acceptance rates (male/female) of various journals. Patterns are beginning to emerge, but more data is needed to confirm the preliminary results.
3. We have compiled partial listings of active women researchers in applied mathematics (compiled by Joyce McLaughlin at Rensselaer Polytechnic Institute) and probability and statistics (compiled by Mary Ellen Bock at NSF). This is part of our effort to collect names of women available for refereeing articles, editing journals, serving as committee chairs, speaking at meetings, or serving in other leadership capacities.
4. We are in the initial stages of a project to discover reasons why women drop out of the mathematical sciences in graduate school at a higher rate than men. We are developing a questionnaire which we plan to send to all female graduate students at Ph. D. granting institutions and to a sample of male graduate students at Ph. D. granting institutions. We also hope to sample graduate students at schools granting masters degrees only. The final scope of the project depends both on the preliminary results and on our receiving funding.

5. We are discussing ways of having an annual budget for the committee. To date it has been funded primarily by the good will of the committee members and occasionally (but rarely) by the school or company at which the committee member works. Said budget would be for two main purposes: funding the research done by the committee and partial travel expenses for the committee members.
6. Our bibliography on career information, history of women in mathematics, programs to encourage women, etc. continues to be available through the AWM office at Wellesley College.

¹American Mathematical Society
Association for Women in Mathematics
American Statistical Association
Institute of Mathematical Statistics
Mathematical Association of America
National Council of Teachers of Mathematics
Society for Industrial and Applied Mathematics

A.14 Report of the AMS-SIAM COMMITTEE TO SCREEN APPLICANTS FOR GRADUATE STUDY FROM THE PEOPLE'S REPUBLIC OF CHINA (Benny).

In August 1989 we examined twenty students in Beijing. Ten of these students were well qualified and selected to apply to U.S. universities for graduate study. As in previous years four universities were suggested to each student and we have written letters of recommendation for the ten students concerned.

David J. Benney, MIT
Robert Bryant, Duke University

A.15 Report of the AMS COMMITTEE ON ARCHIVES.**AMS COMMITTEE ON ARCHIVES****Report to the Council****November 1989**

A plan of action for establishing an AMS records management program was drawn up in 1988 by a consultant archivist, funded by a grant from the National Historical Publications and Records Commission. The report provided a summary description of the Society's records and a detailed plan of action for implementing a formal program to identify AMS records series, move inactive records to a records center, dispose of records no longer needed, and transfer permanently valuable files to the Brown University Archives of Mathematics and Mathematicians, which will also collect the private papers of mathematicians.

As a result of the consultant's report, a proposal was submitted by James Maxwell, in consultation with Mark Brown, Curator of Manuscripts at the John Hay Library, Brown University, requesting funds for the AMS and Brown University to establish the AMS Records Management and Archives Project. Informal notification has now been received from the National Historical Publications and Records Commission that the proposal has been approved. A grant of \$56,383 for the two-year project will begin soon after January 1, 1990. A project archivist will be appointed shortly, and work will begin on the development and implementation of records retention schedules in Providence and Ann Arbor, the identification and processing of archival material and its removal to Brown University, followed by preparation of archival inventory and on-line cataloguing records.

Everett Pitcher
Chairman

A.16 Report of the AMS COMMITTEE ON PROFESSIONAL ETHICS.

Report to the AMS Council

Linda Keen, Chair

November 1989

The Professional Ethics Committee has done its business by mail and telephone during the past year. It has considered the complaint of a member who felt that his work was disparaged and ignored by another researcher in his field. It consulted various experts and decided that there was no unethical behavior on the part of this other researcher. It hopes that the matter has been put to rest.

A.17 Report of the COMMITTEE ON COOPERATION WITH THE CHINESE.**To: AMS Council****From: Committee on Cooperation with the Chinese
Richard Palais, Chair****Date: November 1989**

The original charge for the committee was to advise the Executive Director in negotiating publishing agreements with the Chinese authorities. The idea was that various mathematicians with professional contacts in the mainland would be able to make suggestions and judgements on which journals, and books by which authors, the AMS should translate and publish.

In practice this has not worked out, in part because of the way the Chinese like to operate. Such negotiations as there have been have been on the spot negotiations directly with the ED during trips to the mainland.

The committee has in any case been rather quiescent recently; the atmosphere now is not one conducive to much cooperation of any kind! In fact the Chair and many other American and Chinese mathematicians who have spent time recently in the mainland have signed a statement condemning the brutality of the recent "crackdown", and stating their intention not to return until things have changed for the better. Under these circumstances it would probably be better, if the Council does not want simply to discharge the committee, to at least reconstitute it .

A.18 Report of the COMMITTEE ON VENDING SOFTWARE.**To** Council of the American Mathematical Society**From:** Committee on Vending Software
Peter Doyle, Princeton
Sidnie Feit, New Haven
Robert Fossum (chair)
Barry Simon, Pasadena**Subject:** Final Report**First Recommendation:**

- The committee recommends that the Society should not sell general purpose software, either mathematical or otherwise.

Comments:

1. The imprimatur of the AMS should not be inadvertently placed upon software of questionable quality.
2. The *NOTICES* column in which software is reviewed seems to be a satisfactory medium for informing our members of available software without getting into the problems alluded to above.
3. Were the Society to market general purpose software, then customer support would somehow fall upon the administrative offices of the Society, even though clearly stated to the contrary.
4. A huge, perhaps unwieldy, apparatus would be needed in order to assess the quality of proposed software.
5. The cost of staff support required to maintain sales and service would be much greater than the benefits derived to the members.
6. It may be the case that the Society could negotiate discounts for software that would then be available to members at a discounted price. Such packages are usually available to members at very reasonable prices through academic institutions, where support is much more readily available than would be the case through the Society. As an alternative, the Society could negotiate with software vendors for discounts for AMS members who order directly from the vendor. This would remove the Society from maintaining inventory, supporting the software, and involving sales and service while still affording its members discounts for software.

Second Recommendation:

- The committee recommends that the Society continue to sell software directly related to retrieval of information from its MathSci database and software related to \TeX provided software support can be held at a minimum.

Comments:

1. Software that can be used by members (and others) to assist in retrieval of information from our database may help to make the database more easily accessible to members and may even encourage use of it.
2. The Society should be promoting T_EX as a publishing tool. Anything that helps the public to use T_EX, but sold as a T_EX product, rather than as general purpose software, should be considered as a product that the Society might sell. This decision should be made in house rather than by some committee of “experts”.

In the light of our recommendation, it may be useful to examine the two cases that led to the formation of this committee : Wolfram Research Inc's software *Mathematica* and PBS's ProSearch and ProCite. While we applaud the notion that a software package such as *Mathematica* may become a standard in parts of the mathematical community, it seems to us that it fits clearly in the category of software without a clear connection to T_EX and MathSci. Thus we would recommend that the Society not sell this product.

The case of ProSearch is almost as clear. Since ProSearch is communication software that permits easy access to database vendors that provide MathSci, it might fall within the class of software that the AMS should be providing for its membership. However, our understanding of the package is that it is far from specifically focused towards MathSci, so its sale would be precluded by the first recommendation. In any case, the decision whether or not to sell this product should be made by those responsible for marketing MathSci. ProCite is a citation database that can be used to store bibliographic references that are captured by ProSearch. Its connection to MathSci is further away than is ProSearch. Selling it through the Society could only be considered because of its connection with ProSearch, but, because of its remoteness, would not seem in line with our guidelines.

A.19 CSP Policy Report on Accreditation.

NOTICE:

This attachment contains a short memorandum devised by the AMS Committee on Science Policy, addressed to the AMS Council and dated November 27, 1989.

A hardcopy can be obtained from the office of

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A.20 CSP Paper on DOCTORAL and POST-DOCTORAL TRAINING.

NOTICE:

This report, written by Ron Douglas, re-states the crisis in postdoctoral mathematical training already highlighted by the 1984 Davis report and calls for a better knowledge of doctoral and postdoctoral training in mathematics. To this end, the report proposes a comprehensive study into the subject and suggests that AMS and SIAM establish committees whose task it shall be to monitor and make recommendations on doctoral and postdoctoral mathematical training.

A copy of this report can be obtained from the office of

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A.21 COMMITTEE ON SCIENCE POLICY Action Report.

Report on Action Items: Committee On Science Policy.

Prepared by: William Jaco
November 10, 1989
December 10, 1989 (updated)

This document reports on action items generated by the AMS Committee on Science Policy.

I. COMPLETED ACTIONS:

Here are reported those recommendations generated by CSP, within the last 12 months, that have been realized as actions of the Society.

1. (April 8, 1989) Recommend to the Council of the AMS that a special place for advertising positions for mathematicians in public/professional service be created in the *NOTICES* of the AMS and that such advertising be free and each announcement be run several times. (It was suggested that the Managing Editor, with the consultation of the Notices Editorial Committee, be responsible for determining the appropriateness of these ads and that an earnest effort be made to alert the mathematics community (and government agencies) to this service.)

ACTION: This recommendation was presented to the May 1989 ECBT which endorsed it and sent it to the Notices Editorial Committee (NEC) to implement. The NEC has not yet implemented this action and appears to be waiting for more clarification from CSP and a response from the ECBT to recommendations from the NEC on "cutting cost of the *NOTICES*".

2. (April 8, 1989) Recommend that the Society create a section of the *NOTICES* for the purpose of a "FORUM" in order to publish articles of general interest to AMS members (broader mathematics community).

ACTION: This recommendation was presented to the May 1989 ECBT which endorsed it and appointed a committee to define how it would be implemented. The committee recommended that it be realized as "longer letters to the editor" in the *NOTICES*. The August 1989 Council requested that there be a separate opinion/editorial section in the *NOTICES*. The recommendation is presently with the NEC for implementation.

3. (April 8, 1989) Recommend the Chair of CSP communicate to the Editor of the *NOTICES* of the AMS that there be a continued effort to "streamline" the policy of "letters to the editor" of the *NOTICES* and that this section be viewed more toward short, concise letters of interest to the mathematics community.

ACTION: The Editor and NEC have established a new "streamlined" policy for handling letters to the editor.

4. (April 8, 1989) Recommend to the Council of the AMS that the Society establish an "Award for Superior Public Service." Furthermore, CSP recommends that there be several secondary awards of recognition for public/professional service.

ACTION: This recommendation was presented to the May 1989 ECBT which endorsed an "Award for Distinguished Public Service" and several possible "Citations for Public Service" and recommended

to the Council that it approve these awards. The August 1989 Council approved these awards with the expectation that the Society would make the first presentations at the 1990 Annual Joint Mathematics Meeting. A Selection Committee was appointed and an "Award for Distinguished Public Service" will be made at the AMS Business Session during the 1990 Annual Joint Meetings. There will not be any "Citations for Public Service" at the 1990 Annual Joint Meetings.

5. (September 22-23, 1989) Recommend that the Chair send a Resolution of Congratulations to Judy Sunley upon her receiving a Presidential Rank Award.

ACTION: The Chair of CSP and the AMS Secretary have both sent such letters.

6. (April 8, 1989) CSP activities at Joint Meetings.

- 1989 Joint Summer Meetings:

AMS/MAA cosponsored panel discussion of the recent report "Everybody Counts". Panelists included D. Ballew, R. Douglas, W. Ellis, M. Sward, L. Steen and was moderated by J. Thorpe.

- 1990 Annual Joint Meetings:

AMS/MAA cosponsored panel discussion "Mathematics and public policy: How can we make a difference?"

Science and Government Speaker (cosponsored for 1990 Annual Joint Meetings with MAA) was to be Allan Bromley, Assistant to the President for Science and Technology Policy. Dr. Bromley has recently informed the Society that he will not be able to attend. An alternate will be found.

AMS/MAA Science and Government Speaker James D. Watkins, Secretary of Energy.

AMS/MAA cosponsored panel discussion "Teaching undergraduate mathematics: Insights from education research."

II. PENDING ACTION: Here are reported those recommendations of CSP that have been followed by some action that is still pending.

7. (April 8, 1989) Recommend that the issue of recognition and support for public/professional service be a topic for discussion at a JPBM or BMS Department Chairs Meeting.

PENDING: A committee consisting of Gilfeather, Polking (Chair) and Sanchez, with L. Cox assisting, is to prepare a position paper from the CSP to Department Chairs on this topic. Jaco has spoken with the JPBM Department Heads Committee requesting that they make this a topic at a future meeting.

NOTE: Sanchez should be replaced on this committee.

8. (April 8, 1989) Recommend that the Society consider instituting a special recognition category "Fellow of the American Mathematical Society" which would include professional service as a way to gain such Society recognition.

PENDING: This recommendation was sent to the May 1989 ECBT which tabled the consideration until the Nov 1989 ECBT. A subcommittee consisting of R. Douglas, H. Bass and W. Jaco drafted a proposal to the ECBT for consideration at their Nov 1989 Meeting. Prior to presentation to the ECBT,

the proposal was considered by the Membership Committee which recommended that the ECBT return this proposal to the Membership Committee for further study. It was recommended that H. Bass be included in the deliberations of the Membership Committee on this topic.

9. (April 8, 1989) Recommend to JPBM that they take responsibility and arrange the mechanism for a "writing table" for the mathematics community.

PENDING: This was placed on the agenda for the JPBM October 28-29, 1989 Meeting. Consideration was deferred to the JPBM Director's Meeting to be held on November 21, 1989. The issue was deferred again. It will be on the agenda for the April 1990 JPBM Meeting.

10. (September 22-23, 1989) Recommend that the Society be an active participant in the dissemination of the DAVID II Report by publishing at a minimum the Executive Summary in the *NOTICES* (Note the the AMS published all of DAVID I in the *NOTICES*), by distributing copies of the report to the Society leadership, by organizing sessions at Society meetings, etc.

PENDING: CSP appointed a committee consisting of F. Gilfeather (Chair), W. Jaco, J. Polking and D. Sanchez to plan for the AMS participation in the dissemination of the DAVID II Report and to advise CSP and the Society on these matters. Gilfeather has requested that each Associate Secretary plan for a discussion at the Spring AMS Sectional Meetings. He has received positive replies from all but one Associate Secretary who has yet to reply. Jaco is working with L. Cox and Kathleen Holmay on the dissemination of the Report.

NOTE. Sanchez should be replaced.

11. (April 8, 1989) Recommend that plenary addresses, panel discussions and other activities associated with status of the profession and educational concerns be organized at Sectional Meetings, at least on a trial bases.

PENDING: As a consequence of action from the September 27-28, 1989 CSP Meeting, there will be an effort to include discussion of the DAVID II Report at panel sessions at Sectional Meetings (see Item 10.)

12. (September 22-23, 1989) Recommend that the Society consider the MAA Accreditation Report and be involved in a process of developing guidelines for mathematics education. The Society should form a committee to advise Society leadership on the relevant issues associated with accreditation and "standards" and keep the Society in touch with other organization's deliberations on these matters.

PENDING: This recommendation was to be taken to the ECBT; however, the ABC asked that this issue be returned to CSP for a more precise recommendation to be made to the January 1990 Council. A memo describing the MAA/AMATYC ad hoc Committee on Accreditations deliberations on this matter will be presented to the January 1990 Council. This memo calls upon the President of the Society to ask MAA/AMATYC to include AMS participation in the deliberations on accreditation for collegiate undergraduate programs. The outgoing chair of CSP, Douglas, will call upon the AMS to appoint an ad hoc committee to study the role of the AMS in doctoral and postdoctoral training as part of his report at the January 1990 Council.

13. Recommend that the staff of the Society "flush out" details and present a proposal for the AMS to pursue submission of an "Activities Grant Program" to NSF (or possibly to the ICEMAP Agencies). AMS would administer such a program but the actual grant funds would come from the ICEMAP

Agencies.

PENDING: The Staff presented the skeleton of such a proposal to the ECBT in November 1989. Staff requested approval to pursue discussions with the ICEMAP Agencies and to get a "form of financial commitment from the Society for administration". The plan to have a "small grants program" was not well received by the ECBT. This proposal has not been well received by Society or NSF leadership in the past. The ECBT asked that the topic be returned to CSP for further consideration. CSP is to study the idea of "block grant schemes" for AMS activities that would support the profession but not to concentrate on "travel/small activities grants".

NOTE: The CSP discussion of this item was reported in the November 1989 *NOTICES*. That discussion has brought several letters from the readers supporting a "small grants program" and indicating that the leadership may be out of touch with the needs of the larger community.

III. NO ACTION: Here are reported those recommendations generated by CSP that have not had any further action since the CSP recommendation.

14. (September 22-23, 1989) Recommend that the Society establish a policy that the President and other Society leaders consult with CSP for advice before testifying on matters of Science Policy.

15. (April 8, 1989) Recommend that an expression of appreciation for rotators' services in government funding offices be regularly sent from the Society; for example, a letter from the President to rotators with a copy being sent to appropriate university administrators.

It was suggested that it also may be appropriate, and effective, for the President of the Society to call an appropriate university administrator, upon the acceptance of a rotator to a position and prior to the actual taking of the position, to express how important the role of a rotator is to the mathematics community.

16. (April 8, 1989) Recommend that the Society consider establishing grants for those who are leaving public/professional service in order to support "re-entry" into research.

NOTE: The Committee did endorse the actions of the NSF/DMS Advisory Board which recommends

- a) appointment of a formal committee for the recruitment of DMS program rotators.
- b) arrange for one semester research leave upon leaving service at NSF - such an arrangement to be negotiated prior to a rotator coming to NSF with funds to be provided by NSF and the rotator's home institution.

17. (April 8, 1989) Recommend that OGPA act as a conduit for the flow of information to the Society leadership regarding upcoming openings in public/professional service so that appropriate recommendations can be put forth from the Society, in particular, openings regarding ICEMAP Agencies, Boards at NRC, etc.

NOTE: The JPBM voted to no longer have an Office of Governmental and Public Affairs. However, this activity may be taken over by a similar office supported jointly by AMS and MAA.

18. (April 8, 1989) Recommend that the Society have a science/mathematics writer do a popular book informing the public on the current status of mathematics research.

(NOTE: Allyn Jackson, the AMS staff writer, will be talking with BMS to investigate the possibility of putting something together from the BMS Trends Reports, the BMS Crossdisciplinary Reports and the new BMS Focused Reports.)

19. (April 8, 1989) Recommend that there be an article in the *NOTICES* of the AMS announcing to the AMS membership the release of the MSEB "PTA Packets - Math Matters".

NOTE: In the Report on MSEB Activities appearing in the July/August 1989 *NOTICES*, page 690, there is mention of this activity.

20. (September 22-23, 1989) Recommend that the Society consider forming a committee that is concerned with the broad issue of Graduate Training in Mathematics. The initial action of such a committee would be to study and provide information that would determine subsequent Society action.

NOTE: As mentioned in item 12. concerning the issue of accreditation, the outgoing Chair of CSP will recommend that the Society appoint an ad hoc committee to study the role of the AMS in doctoral and postdoctoral training.

21. (April 8, 1989) Recommend that the AMS assist in preparing information for department chairs informing them of all that is going on at the national level regarding mathematics education and encourage the chairs to hold department meetings for discussion with faculty.

NOTE: Jaco is preparing a Society Action Paper for the Committee on Liaison with Education. This paper will be sent to CSP members and time will be available at the next CSP meeting for discussion of education matters and this action paper in particular.

22. (April 8, 1989) Recommend, unanimously, to the Council of the AMS that the Society continue as one of the three participating organizations in JPBM and continue Society support of the Office of Government and Public Affairs as a joint office of the three societies.

NOTES: 1. This recommendation was intended for presentation to the Council to indicate that CSP believes in some representation in Washington and supports the cooperation of the three JPBM organizations. It remains important in that it reports the mood of CSP; however, due to events in SIAM and within JPBM itself, JPBM will not be supporting an Office of Governmental and Public Affairs.

2. Jaco wrote a report on the recommendations of the CSP regarding the activity of OGPA and filling the vacancy of Head created by the resignation of Ken Hoffman. This document was sent to CSP members.

3. There will be a proposal before the Council of the Society on the an interim plan for a "Washington presence" for the Society, a "Restructuring of JPBM" and the investigation of a permanent "Washington presence" for the AMS.

23. (April 8, 1989) Recommend that the plans which the ICEMAP agencies are presently working on be tried, at least at Louisville, and that Jaco call Sunley to share the CSP discussion on this matter.

NOTE: The ICEMAP Agencies have given up their standard time period for ICEMAP activities at Louisville. The NSF will be holding "luncheon brown-bag sessions" at Louisville. The latter was to have been an ICEMAP activity but never materialized.

A.22 Report of the ad hoc COMMITTEE TO REVIEW THE PROCEDURES OF THE COUNCIL IN CONSIDERING ISSUES.

NOTICE:

This seven-page attachment contains

- the report on the findings of the aforementioned committee, prepared by Marian Pour-El,
- the results of a survey of the opinions of Council members on AMS Council procedures, and
- the letter of appointment by AMS Secretary Everett Pritchert to the members of this committee, along with a specification of the tasks of the committee.

A copy of the report is available from the office of

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A.23 OPPORTUNITIES IN MATHEMATICS FOR UNDERREPRESENTED MINORITIES.

NOTICE:

This attachment consists of the 1989 annual report of the Joint AMS-AAAS-MAA Committee on Opportunities in Mathematics for Underrepresented Minorities (COMUM), prepared by Gloria Gillmer.

In 1989, the Committee engaged in the MSEB Regional Workshops and in generating the names for a forthcoming directory of minorities with careers in the mathematical sciences. The actual publication of the directory has been slated for 1990, along with the establishment of criteria for COMUM endorsed mathematics programs for academic year pre-college programs, summer enrichment pre-college programs, academic year college programs, and out-of-school programs.

A copy of the report can be obtained from the office of

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A.24 Report of the AMS-MAA COMMITTEE ON TEACHING ASSISTANTS AND PART-TIME INSTRUCTORS (TA/TPI).

From: Joint Committee on Teaching Assistants and Part-Time Instructors

**To: AMS Council
MAA Board of Governors**

From: Joint Committee on Teaching Assistants and Part-Time Instructors

The FIPSE-funded project directed by the committee ended August 15, and the final report was submitted in November with copies forwarded for the record to the Secretaries of the AMS and the MAA.

Three efforts of others related to the charge of this committee are under consideration and communication is in progress:

1. The relationship between the charge of this committee and the ad hoc Committee on Preparation for College Teaching appears to be: Orientation and training activities, and information pertaining to teaching done while one is a graduate student, is the "turf" of TA/PTI; CT presumes these efforts and activities as a necessary first step in preparation for college teaching. Clarification is sought if this is not correct.
2. The committee is considering possible effects of the efforts toward "accreditation" of mathematics departments under way within the MAA; reservations have been expressed in this committee both concerning the advisability of the procedure at all, and the sample guidelines. (Although the guidelines are indicated as "sample", and are in draft form, some which have been circulated require a minimum percentage of teaching by regular faculty and also a certain number of graduate hours before teaching assistants have full responsibility for classes. These may sound like progressive suggestions, but could have undesirable implications for teaching patterns. The data which this committee believes to accurately reflect the teaching situation in graduate departments indicate that a majority of doctoral departments, were they to comply with these guidelines, would have to make major changes in teaching patterns which would go to the heart of departmental and institutional priorities. Even if resources were available for such changes, it is not clear that the effects would be desirable. It has been pointed out to this committee that the matter has been discussed, but is not considered serious since the departments affected are just some of the graduate departments and this is numerically not a large percentage of the mathematics departments in the country; the committee feels that even if only a minimal number like one hundred graduate departments were affected there should still be much more thought given to these ramifications.) A statement may be prepared at the January 1990 meeting, dependent on the current status of the accreditation effort at that time.
3. The committee is coordinating with Don Rung in the hope that the 1990 CBMS survey will be capable of updating important items of information in the 1989 committee publication.

In Boulder, the general matter of service (committee) responsibilities and their conflict with the scientific program at meetings was brought up by Tom Banchoff when he agreed to be reappointed to the committee.

The members who participated in the breakfast and lunch meetings paid on the FIPSE grant feel such funding by AMS and MAA would be productive, especially for committees needing more than one hour of work time during a meeting. (Specifically—continental breakfasts at 7:15 allow real work to begin around 7:30; salad or sandwich buffets—or just drinks when brown-bag lunches are readily available—allow least 40 minutes of productive work on the “lunch hour.”) Case was asked to pass this along to the secretary of each organization and to schedule such meetings if possible. Case also thinks the matter of a postage budget for active committees should be discussed. (A “typical” bi-monthly or quarterly mailing to a committee and chairs of related efforts often requires copies of 25 or more pages, even with careful selection and reduction of copy size. It would be unfortunate if members of the organizations from small departments or departments with budget problems were precluded from serving or functioning effectively as committee chairs.)

From: Joint Committee on Teaching Assistants and Part-Time Instructors

Respectfully submitted,

Betty Anne Case, Chair

A.25 Advertisements in the *Notices*.

NOTICE:

This attachment contains

a) an advertisement for the AMS Life Plan, the life insurance for AMS members

and

b) an advertisement in the form of an open letter by I. Fleischer regarding the anomalous treatment of submissions to the Journal of Pure and Applied Algebra (JPAA). The advertisement contains some serious accusations against the managing editor of the JPAA and denounces his style of management.

The source of the advertisements (i.e. the exact issue or number of the Notices they appeared in) is not specified in the attachment; a copy can be obtained from the office of

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A.26 Mathematics in Rumania.

NOTICE:

The first part of this attachment is a copy of a telex received by a mathematician in Sweden which was sent to him by a mathematician in Rumania. The sender urges the international mathematical community to express their opinion on the mathematical activity carried out at INCREST and the importance of the work done at INCREST on the mathematical life in Rumania as a whole. The sender also urges the international colleagues to make public their views on the conditions of everyday life in Rumania under the dictatorship then prevailing.

The second part of the attachment contains the response from Gert Almkvist, then President of the Swedish Society of Mathematicians, in which he attests to the quality and purely civilian nature of mathematical research and teaching performed at INCREST in spite of very difficult outer circumstances. President Almkvist outlines the central role INCREST has played with regard to the relations between Rumanian mathematicians and the international mathematical community and stresses that these relations should be strengthened in the future.

A copy of both letters is available from the office of

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