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IMU

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INTERNATIONAL MATHEMATICAL UNION

No. 53

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Secretariat:

53rd BULLETIN OF THE INTERNATIONAL MATHEMATICAL UNION

SCIENTIFIC REPORT

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FINANCIAL REPORTS 2002-2005

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INTERNATIONAL MATHEMATICAL UNION

Executive Committee

January 1, 2003-December 31, 2006

President: John M. Ball   (United Kingdom)

Vice-Presidents: Jean-Michel Bismut   (France)
                        Masaki Kashiwara   (Japan)

Secretary: Phillip A. Griffiths   (USA)

Members: Martin Grötschel   (Germany)
                        Zhi-Ming Ma   (China)
                        Ragni Piene   (Norway)
                        Madabusi S. Raghunathan   (India)
                        Victor Vassiliev   (Russia)

Past President: Jacob Palis   (Brazil)

Members of the Union

The following 67 countries were members of IMU as of January 1, 2006:

Group I: Armenia, Bosnia and Herzegovina, Bulgaria, Cameroon, Croatia, Cuba, Estonia, Georgia, Greece, Hong Kong, Iceland, Indonesia, Ivory Coast, Kazakhstan, Latvia, Lithuania, New Zealand, Nigeria, Pakistan, Peru, Philippines, Romania, Saudi Arabia, Serbia and Montenegro, Singapore, Slovenia, Tunisia, Turkey, Uruguay, Venezuela, Vietnam.

Group II: Argentina, Austria, Chile, Czech Republic, Denmark, Egypt, Finland, Iran, Ireland, Republic of Korea, Mexico, Norway, Portugal, Slovakia, South Africa, Ukraine.

Group III: Australia, Belgium, Hungary, Poland.

Group IV: Brazil, India, Netherlands, Spain, Sweden, Switzerland.

Group V: Canada, China, France, Germany, Israel, Italy, Japan, Russia, United Kingdom, United States.

Group	I	II	III	IV	V
Number of Votes	1	2	3	4	5
Dues Unit Contributions	1	2	4	7	10

The listing of China is as follows:

- · Chinese Mathematical Society, 3 votes
- · Mathematical Society located in Taipei, China, 2 votes

<div align="center">

International Mathematical Union
15th General Assembly
August 19-20, 2006
Hotel Puerta del Camino, Santiago de Compostela, Spain

</div>

Saturday, August 19

9:00 **Opening of the 15th General Assembly** - John Ball, IMU President
Welcome of Spanish Delegation – Francisco Marcellán Español, President of the
Spanish Committee for ICSU and Secretary of Science and Technology.

1.   Appointment of Committees
    (i)   Credentials Committee
    (ii)   Finance and Dues Committee
    (iii)   Nomination Committee
    (iv)   Resolutions Committee
    (v)   Tellers Committee

2.   Review of the Activities of the Union
    (i)   Commission on the Development Exchanges (CDE) and Developing Countries
          Strategy Group (DCSG) -- C. Herbert Clemens
    (ii)   International Commission on the History of Mathematics (ICHM) – John Ball
    (iii)   IMU-Net – Ragni Piene

10:30 **Group photo**

11:00 **Coffee Break**

11:30
2b.   Review of the Activities of the Union
    (iv)   IMU Committee on Electronic Information and Communication (CEIC) –
          Jonathan Borwein, Chair
    (v)   International Commission on Mathematical Instruction (ICMI)--Hyman Bass,
          President, Bernard Hodgson, Secretary General

3.   Finance and Dues – Secretary Phillip Griffiths
    (i)   Financial reports for the year 2002-2005
    (ii)   Gifts and grants to IMU
    (iii)   Budget for 2007-2010
    (v)   Proposal for a dues increase
    (vi)   Dues in arrears – EC recommendation to enforce Statute #26

13:30 Lunch

14:30
4.   Statutes and Procedures for Elections
(i)   Effective date of Statutes
(ii)   Unit dues changes for Groups IV and V
(iii)   Associate Membership
(iv)   Members-at-Large - increase from five to six - *If passed, this particular Statute change will be implemented immediately.*
(v)   Term limits for Members-at-Large
(vi)   Statutes Official Text

5.   *Ad hoc* Nominating Committee Process
(i)   Explanation of the process adopted for 2007-2010 slates – John Ball
(ii)   Procedures for Election – Ludwig Faddeev, Mogens Niss

16:30 Coffee Break

17:00
6.   Presentation of Slates
(i)   *Ad hoc* EC Nominating Committee slates for IMU Executive Committee, Commission on Development and Exchanges, (Joint) International Commission on the History of Mathematics – Ludwig Faddeev, Chair
(ii)   *Ad hoc* ICMI Nominating Committee slate for the International Commission on Mathematical Instruction – Mogens Niss, Chair
(iii)   Nominations from the floor

7.   Vote on Statute changes and IMU budget

18:30 Close of the first day of the 15th General Assembly

Sunday, August 20

8:30   Subcommittee Sessions

9:30   Ballot results of item #7

8.   Presentation of Nomination Committee and Elections
(i)   Executive Committee of IMU
(ii)   Commission on Development and Exchanges
(iii)   (Joint) International Commission on the History of Mathematics
(iv)   International Commission on Mathematical Instruction
(v)   Election of 2007-2010 EC, CDE and ICHM officers
(vi)   Election of 2007-2009 ICMI officers

9.   Finance and Dues Committee
       (i)   Recommendation
       (ii)   Balloting

11:30 Coffee Break

12:00 Ballot results of item #8 and #9

10.   ICSU Presentation – Sir Roger Elliott

11.   Guidelines for Future ICMs and Program Committee Guidelines Discussion
       (i)   ICM 2006 Program Committee Report – Noga Alon, Chair
       (ii)   Future ICMs – Martin Groetschel

13:30 Lunch

14:30
12.   Presentation of Resolutions Committee
13.   Resolutions balloting

14.   IMU Executive Committee Site Recommendation for ICM2010
15.   Presentation of Indian Local Organizing Committee
16.   Location of ICM2010 balloting

17.   Members of the IMU
       (i)   Change of group
       (ii)   Request(s) to become a member of IMU
       (iii)   Balloting

18.   Miscellaneous

19.   Any other item with the permission of the President

20.   Meeting of the 16th General Assembly

16:30 Close of 15th General Assembly

IMU GENERAL ASSEMBLY

The following circular letters have been sent to all Adhering Organizations of IMU, with a copy to the Committees for Mathematics:

Circular #2/2004

Date: September 26, 2004

To: Adhering Organizations
Committees for Mathematics

From: John Ball, President
Phillip Griffiths, Secretary
International Mathematical Union (IMU)

Re: **Call for Nominations to the Nominating Committee of IMU**

The delegates at the 2002 General Assembly (GA) in Shanghai, China, passed

Resolution 8. It states:

The General Assembly of IMU expects the Executive Committee to develop a proposed mechanism to involve members from the National Committees for Mathematics, not on the Executive Committee, to assist in the selection of slates. This proposal should be put forth to the 2006 General Assembly.

In order to comply with Resolution 8, the Executive Committee (EC) of IMU has drafted a Nominating Committee Model (attached) that will be tested for the selection process of the slates to be presented to the delegates at the 2006 GA in Spain. The Nominating Committee will consist of seven people and will prepare the selection of slates for the IMU EC, Commission on Development and Exchanges (CDE), and International Commission on the History of Mathematics (ICHM). Until presented to the GA in 2006, the Nominating Committee will be operated informally as an advisory body to the IMU EC. Experience gained can be incorporated into a formal proposal for a change in the Statutes at the 15th IMU GA in 2006.

The EC, in conjunction with its Commission on Mathematical Instruction (ICMI), has drafted a separate Nominating Committee Model for ICMI. Further information regarding the ICMI Nominating Committee Model will be available in a future circular letter.

The Chair of the 2006 Nominating Committee is Ludwig Faddeev, Euler International Mathematical Institute, St. Petersburg, Russia, and a former President of IMU.

Below are the guidelines that the Adhering Organizations are asked to follow:

1) Each Adhering Organization (AO) may submit one name to be a Member of the Nominating Committee. This person cannot work in the same country as the chair of the committee and the president of IMU, namely Russia and the United Kingdom.
2) All submissions should be sent via e-mail, post or fax to IMU. All e-mail submissions must be sent from the official e-mail address of the AO.
3) The deadline for receipt of nominations, from which a random selection will be made (according to the process described in item #3 of the Nominating Committee Model), is December 31, 2004.
4) All candidates should be willing to serve.
5) No member of the Nominating Committee will be eligible to hold an office for 2006-2010 on EC, CDE or ICHM.

In order to make this very important committee of the highest quality, we urge each AO to make a nomination.

Secretariat
Phillip A. Griffiths, Secretary
International Mathematical Union
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Princeton, New Jersey 08540
United States
IMU website: www.mathunion.org
Phone number: (1) 609-734-8259
Fax number: (1) 609-951-4490
E-mail: imu@ias.edu

Circular #1/2005

Date: September 1, 2005

To: Adhering Organizations
     Committees for Mathematics

From: Phillip A. Griffiths, Secretary
       International Mathematical Union

Re: 15th General Assembly, Santiago de Compostela, Spain

1) GENERAL ASSEMBLY DELEGATES—**Deadline--November 30, 2005**
   The 15th General Assembly (GA) of the International Mathematical Union (IMU) will
   be held in Santiago de Compostela, Spain, August 19-20, 2006, before the
   International Congress of Mathematicians (ICM2006). The meeting will take place at
   Puerta del Camino Hotel, 15703 Santiago de Compostela. Spain, (phone number--34
   981 569 400; fax number--34 981 572 627). The procedures for room reservations
   will be announced with the invitation letters from the Local Organizing Committee to
   the delegates appointed by the Adhering Organization. More information can be
   found at: http://www.usc.es/imu2006/.

   Each Adhering Organization is asked to submit all delegate information to IMU using
   our online system. Please access the online delegate submission form at
   http://www.mathunion.org/delegates.
   This page is password protected, please e-mail imu@ias.edu to receive a password..
   Please follow the instructions to assign delegates to represent your Membership.
   Please note: If a Member Country is in Group I, then one delegate may be assigned,
   Group II, two delegates, Group III, three delegates, Group IV, four delegates and
   Group V, five delegates. Member group information may be obtained at:
   http://www.mathunion.org/Members/alphasort.html.
   For further information, please e-mail imu@ias.edu

2) AGENDA ITEMS FOR THE GENERAL ASSEMBLY: The Executive Committee of
   IMU invites you to suggest agenda items for the 15th General Assembly, August 2006.
   Please e-mail your suggestions to IMU Secretariat imu@ias.edu.

3) SPECIAL DEVELOPMENT FUND (SDF)/TRAVEL GRANTS FOR YOUNG
   MATHEMATICIANS: IMU is making a major effort to bring as many qualified
   young mathematicians as possible from developing countries to the International
   Congress of Mathematicians 2006 (ICM2006) in Madrid, Spain, August 22-30, 2006
   (http://www.icm2006.org/paginas/?pagina=home_ing).

   For ICM-02 in Beijing, the IMU financed the trips of 70 young mathematicians and
   the Chinese Local Organizing Committee covered local expenses. (In addition IMU
   and LOC supported 101 mathematicians from eastern Europe and Senior
   Mathematicians from Africa, Asia and South America.) We would like to increase the
   number of Travel Grants for 2006 but can only do so if additional financial support is

received from the mathematical community. Donations to the SDF may be sent at any time and in any convertible currency to the following account:

> IMU account at Institute for Advanced Study
>> PNC Bank
>> 76 Nassau Street
>> Princeton, NJ 08540 USA
>> ABA # 031207607
>> Account # 8011913872

Please see the IMU website for the list of member countries that have contributed to SDF in the period 1991-2004:
http://www.mathunion.org/Activities/Travel_Grants_DC/fund.html.

Thank you very much for your attention and cooperation. For further information, please contact the Secretariat at:

Phillip A. Griffiths
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Einstein Drive
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Fax: 1 (609) 683-7605
imu@ias.edu

Circular #2/2005

Date: September 5, 2005

To: Adhering Organizations
        Committees for Mathematics

From: Phillip A. Griffiths, Secretary
        International Mathematical Union

Re: Grant announcement: travel and/or local expenses for ICM2006

The International Mathematical Union (IMU) and International Congress of Mathematicians 2006 Local Organizing Committee will award grants to mathematicians to help them attend the ICM2006 in Madrid, Spain, August 22-30, 2006.

Five grant categories have been established:

1. Young mathematicians from developing and economically disadvantaged countries
2. Senior mathematicians from developing and economically disadvantaged countries
3. Senior mathematicians from Latin America
4. Senior mathematicians from Mediterranean developing countries
5. Young Spanish mathematicians

Full details of all five grant categories are available on the ICM2006 website at: http://www.icm2006.org/financialsupport/.

All applications are to be submitted online by January 1, 2006, through the ICM2006 website, as above.

 Enquires should be sent to: grants@icm2006.org.

    Phillip A. Griffiths, Secretary
    International Mathematical Union
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    Princeton, NJ 08540 USA
    Phone: 1 (609) 734-8259
    Fax: 1 (609) 683-7605
    imu@ias.edu

Circular Letter #1/2006

Date: April 19, 2006

To: Adhering Organizations
        Committees for Mathematics
        Delegates to the 15th General Assembly

From: Executive Committee of the International Mathematical Union

Re: Slates

The delegates to the 15th General Assembly in Santiago de Compostela, August 19-20, 2006, will elect officers and Members-at-Large for the International Mathematical Union Executive Committee (EC), Commission on Development and Exchanges (CDE), International Commission on the History of Mathematics (ICHM) and the International Commission on Mathematical Instruction (ICMI).

Resolution 8, adopted at the 14th General Assembly in 2002, charged the IMU EC to "develop a proposed mechanism to involve members from the Committees for Mathematics, not on the Executive Committee, to assist in the selection of slates. This proposal should be put forth to the 2006 General Assembly." In order to fulfill Resolution 8, the EC amended the IMU's Procedures for Elections and created an EC Nominating Committee and an ICMI Nominating Committee. The updated Procedures for Elections will be presented to the 15th General Assembly and sent to you in a Circular Letter.

The EC Nominating Committee, chaired by L. Faddeev, developed the EC, CDE and ICHM slates, and the ICMI Nominating Committee, chaired by M. Niss, developed the ICMI slate.

The IMU EC has approved these slates and will present them to the 15th General Assembly Nominating Committee. Each candidate has agreed to serve if elected. Curricula vitae can be found at http://www.mathunion.org/Organization/GA/2006. This page is password protected. Please e-mail imu@ias.edu to receive a user ID and a password.

Please carefully review each nomination in preparation for the elections at the General Assembly.

Both the EC Nominating Committee and the ICMI Nominating Committee have worked to produce geographically and academically diverse slates of mathematicians who are willing to work to uphold the mission of the International Mathematical Union for the period 2007-2010.

IMU Executive Committee
President: L. Lovasz (Hungary)
Secretary: M. Groetschel (Germany)
Vice Presidents: Ma Zhiming (China), C. Procesi (Italy)

Members-at-Large (9 candidates for 5 or 6 posts)
The EC will ask the 15th General Assembly delegates to approve a Statute change increasing the number of Members-at-Large on the EC from five to six.
S. Baouendi (USA)
M. de Leon (Spain)
K. Fukaya (Japan)
N. Ghoussoub (Canada)
A. Lubotzky (Israel)
R. Piene (Norway)
C. Praeger (Australia)
V. Vassiliev (Russia)
M. Viana (Brazil)

CDE
President: S. Dani (India)
Secretary: G. Gonzalez-Sprinberg (France)
Members-at-Large (8 candidates for 6 posts)
G. Boente (Argentina)
P. Cordaro (Brazil)
J-P. Gossez (Belgium)
L. Lilov (Bulgaria)
M. Teuw Niane (Senegal)
M. Sanz-Sole (Spain)
T. Suzuki (Japan)
J. Zhang (China)

ICHM
(4 candidates for 2 posts)
C. Houzel (France)
Wenlin Li (China)
A. Malet (Spain)
P. Neumann (UK)

ICMI President: M. Artigue (France)
Secretary: B. Hodgson (Canada)
Vice Presidents: J. Adler (South Africa) B. Barton, (New Zealand)

Members at Large (7 candidates for 5 posts)
M. Bartolini Bussi (Italy)
J. Carvalho e Silva (Portugal)
O. Figueras (Mexico)
C. Hoyles (UK)
S. Kumaresan (India)
F. Leung (Hong Kong)
A. Semenov (Russia)

Phillip A. Griffiths
Secretary

Circular Letter #2/2006

Date: April 20, 2006

To: Adhering Organizations
Committees for Mathematics
Delegates to the 15th General Assembly

From: Executive Committee of the International Mathematical Union

Re: Dues in Arrears

In preparation for the 15th General Assembly in Santiago de Compostela, August 19-20, 2006, the Executive Committee of the International Mathematical Union is preparing agenda items for discussion and for vote by the delegates.

Circular Letters containing information that each delegate will need to review prior to the General Assembly will be sent to each Adhering Organization, Committee for Mathematics and registered delegate.

Since, it is the duty of the Executive Committee to uphold the Statutes of the Union, the IMU Executive Committee has voted to enforce Statute 26 concerning non-payment of dues. The Statute says: "*Any Adhering Organization which is in arrears with its contributions for two years shall be warned and shall be deprived of its voting rights. Any Adhering Organization which is in arrears for four years shall cease to be an adherent of the Union. In any case, before taking action, the Executive Committee shall submit the question to the members of the Union by correspondence or at a meeting of the General Assembly who under special circumstances may waive these provisions by a two-thirds majority of the total number of votes assigned to the members.*"

For each of the countries listed below, the Executive Committee will recommend the following to the General Assembly unless all dues are paid in full prior to August 18.

- Cuba cease to be an adherent of the Union
- Nigeria cease to be an adherent of the Union
- Philippines cease to be an adherent of the Union
- Tunisia cease to be an adherent of the Union
- Kazakhstan be deprived of its voting rights *[dues are now paid in full]*
- Peru be deprived of its voting rights

Phillip A. Griffiths
Secretary
imu@ias.edu

Circular Letter #3/2006

Date: April 21, 2006

To: Adhering Organizations
        Committees for Mathematics
        Delegates to the 15th General Assembly

From: Executive Committee of the International Mathematical Union

Re: Statute Changes

The Executive Committee of the International Mathematical Union has reviewed the existing Statutes and will ask the General Assembly to approve several changes. Attached please find the IMU Statutes with the proposed changes underlined and in red and the deletions italicized and in blue. These proposed changes will be discussed and then put to vote at the General Assembly. Minor changes have been made to the Statutes to clarify existing procedures and to include gender-free language. The significant changes are highlighted below:

Associate Membership - #7-12
The Executive Committee is seeking to encourage a greater number of developing countries to become members of the Union and therefore has developed an IMU membership category called Associate Membership. An Associate Member will adhere to the Union through an Adhering Organization and will need to identify a Committee for Mathematics. However, an Associate Member will not pay dues and will not have voting rights. A country will be an Associate Member for a period of four years, renewable for an additional period of four years, with the expectation that the Associate Member then become a full member of IMU.

Increasing the number of Executive Committee Members-at-Large from five to six - #23
In order to broaden geographical and mathematical coverage, the Executive Committee recommends increasing the number of Members-at-Large from five to six people. If approved, this Statute change will become effective immediately following the vote, therefore allowing the General Assembly to choose six Members-at-Large.

Dues unit changes - #25
The Executive Committee will ask the General Assembly to approve a change in the dues unit contribution for Groups IV and V. If approved, beginning in January 2007, Group IV will pay 8 times the single dues unit and Group V will pay 14* times the single dues unit. (Currently Group IV pays 7 times the single dues unit and Group V pays 10 times the single dues unit.) Circular Letter #4 will be sent shortly outlining the proposed 2007-2010 IMU budget, accompanied by a detailed explanation.

Since this Circular Letter was published, the IMU Executive Committee has adjusted the Group V proposed dues from 14 times a single unit to 12 times a single unit. The current proposed dues increase is on page 3 in Circular Letter #5/2006.

Statute changes - #35
Unless indicated otherwise, all Statute changes become effective immediately following the closing of the General Assembly where such Statutes are approved.

Please review all of the Statute changes carefully in order to be prepared for the Statute change discussion and subsequent vote.

Sincerely,
Phillip A. Griffiths
Secretary
imu@ias.edu

Proposed Statute Changes - The underlined text is the new text and the italicized text will be deleted.

INTERNATIONAL MATHEMATICAL UNION
STATUTES

*1998*2006

I. Objective of the Union

1.   The objectives of the International Mathematical Union, hereinafter designated as the Union, are:

(a) To promote international cooperation in mathematics;
(b) To support and assist the International Congress of Mathematicians and other international scientific meetings or conferences;
(c) To encourage and support other international mathematical activities considered likely to contribute to the development of mathematical science in any of its aspects, pure, applied, or educational.

2.   In the pursuit of its objectives the Union is explicitly, but not exclusively, empowered:

(a) To adhere to the International Council for Science;
(b) To organize international mathematical meetings and conferences;
(c) To engage in or support the publication and distribution of scientific material in the field of mathematics, provided that any expenses thereby incurred shall be treated as items of special expenditure under article *24 below*30;
(d) To engage in mathematical activities of an international character or to advise and assist other international organizations engaging in such activities, provided that any expenses thereby incurred shall be treated as items of special expenditure under article *24 below*30;
(e) To promote and facilitate the international exchange of mathematicians and students of mathematics for scientific purposes;
(f) To publish and distribute information concerning the organization and the activities of the Union.

II. Membership

3.   A country adheres to the Union through an Adhering Organization, which may be its principal academy, a mathematical society, its research council or some other institution or association of institutions, or an appropriate agency of its government. The adhering countries are designated hereinafter as the members of the Union.

4.   The term "country" is to be understood as including diplomatic protectorates and any territory in which independent scientific activity in mathematics has been developed, and in general shall be construed as to secure the broadest and most effective participation of mathematicians in the scientific work of the Union.

5. In each case, the Adhering Organization shall form a Committee for Mathematics and its adherence to the Union shall not become effective until the composition of the Committee has been reported to and recognized by the members of the Union. The Committee shall act as adviser to the Adhering Organization in matters concerning the Union. The Adhering Organization may, if it wishes, delegate some of its power to the Committee for Mathematics. The Committee for Mathematics shall communicate to the Secretary of the Union the name of its Chair*man* or Secretary.

6. When an application is made for membership in the Union, the Executive Committee shall examine the application and shall make a recommendation thereon to the members of the Union by correspondence or at a meeting of the General Assembly. The members shall accept or reject the application in the light of this recommendation and of any other considerations before them either by correspondence or at a meeting of the General Assembly. The adherence of a country is in one of the five groups I-V with corresponding voting powers and contributions as set out in articles *8*19 and 14*25 below*. A country may change its classification with the approval of the members of the Union upon recommendation of the Executive Committee.

III. Associate Membership

7. To encourage a country to become a Member of IMU, a country may adhere to the Union as an Associate Member through an Adhering Organization as described in article 3.

8. The Adhering Organization of an Associate Member shall form a Committee for Mathematics as described in article 5.

9. When an application is made for Associate Membership of the Union, the Executive Committee shall examine the application and make a recommendation thereon to the members of the Union by correspondence or at a meeting of the General Assembly. The members shall accept or reject the application in the light of this recommendation and of any other considerations before them either by correspondence or at a meeting of the General Assembly.

10. A country that has previously been a member of the Union is not eligible to apply for Associate Membership.

11. Associate Membership is for a period of four years from the date of election, renewable for one further period of four years on request to the Secretary of the Union. Associate Members are normally expected to apply for membership of the Union beginning no later than eight years from the date of election.

12. Extensions of Associate Membership beyond a period of eight years from the date of election may be granted for further periods of four years at a time. A request for such a four-year extension must be made to the Secretary of the Union. The Executive Committee shall examine the request and make a recommendation thereon to the members of the Union by correspondence or at a meeting of the General Assembly. The members shall accept or reject the application in the light of this recommendation

<u>and of any other considerations before them either by correspondence or at a meeting of the General Assembly.</u>

IV. Affiliation

13. For the purpose of facilitating jointly sponsored activities and jointly pursuing the objectives of the IMU, multi-national mathematical societies and professional societies can be affiliated with the Union.

14. The members of the Union shall elect the affiliate members by Postal Ballots* or at meetings of the General Assembly upon recommendation of the Executive Committee. The affiliation may be terminated by the same procedure.

15. Affiliate members have the right to participate in the General Assembly but shall have no voting rights.

16. Such affiliate members have the right to submit proposals for joint activities to the General Assembly and to the President and Secretary for consideration of the Executive Committee.

17. The Executive Committee, with the support of the Adhering Organizations and *National Committees*<u>Committees for Mathematics</u>, shall look for ways to keep close relations with the affiliated organizations and to enhance mathematical activities in their regions and fields of interest. They shall receive the Bulletin of the IMU and be kept informed of all activities relevant to them.

IV. Administration

18. The authority of the Union derives from the members and is exercised either by correspondence or at a meeting of the General Assembly. The Union is administered by the Executive Committee, which, in accordance with these Statutes and subject to the direction and review of the members, shall conduct the business of the Union.

19. The General Assembly of the Union consists of delegates appointed by the Adhering Organizations, together with the members of the Executive Committee. For each General Assembly, each <u>IMU Member</u> Adhering Organization shall appoint and certify to the Secretary of the Union a delegation, which shall have the number of votes corresponding to the Group in which it adheres, as follows:

Group	I	II	III	IV	V
Number of Votes	1	2	3	4	5

provided that the number of delegates shall not exceed the corresponding number of votes. Any Adhering Organization which desires to ensure its full quota of representatives at meetings of the General Assembly by the appointment of alternates

for its regularly named delegates may do so, provided that no such alternate shall be permitted to participate in the work of the General Assembly until *he*such delegate has been duly certified to the Secretary of the Union as assuming the powers and duties of the delegate he or she has been designated to replace. No person shall be a member of the delegation of more than one country. Each Adhering Organization of an Associate Member of the Union shall appoint and certify to the Secretary of the Union one delegate, who shall have no voting rights.

20.   Voting by the General Assembly shall be by delegations, provided that each delegation shall be free to cast the votes to which it is entitled either as a unit or divided in such a manner as it may determine. The members of the Executive Committee shall have no votes as such in the General Assembly. Any Adhering Organization not represented at a meeting of the General Assembly may forward its votes by registered mail to the Secretary of the Union; and such votes shall be valid, if received *before the ballot has been taken and the votes counted*two weeks prior to the beginning of the General Assembly, and if the original question has not been modified by substantial amendments. Voting by correspondence shall be in such a way that each member of the Union casts its votes as a unit, counted as many times as the group indicates. The majority of votes cast shall be decisive unless a specific provision to the contrary is contained in these Statutes.

21.   The General Assembly may establish By-Laws on any matters not covered by these Statutes.

22.   The Officers of the Union are a President, two Vice-Presidents and a Secretary, all elected by the General Assembly by written ballot. The President and the Vice-Presidents shall hold office for a term of four years, shall assume office on the first day of the calendar year following that in which they have been elected and shall not be eligible for immediate re-election to the same office. The Secretary shall hold office for a term of four years, shall assume office on the first day of the calendar year following that in which he or she has been elected and shall be available for immediate re-election for one additional term. Members–at-Large shall hold office for a term of four years and shall assume office on the first day of the calendar year following that in which they been elected. No Members- at-Large can serve three or more consecutive terms. In the event of death, incapacity or resignation of the President, the Executive Committee shall choose one of the Vice-Presidents to carry on the functions of the President until a new President has been elected by the members of the Union for the unexpired term. In the case of any other office being vacated, the Executive Committee shall be empowered to fill the vacancy until the members of the Union shall have elected a successor for the unexpired term. These elections may be made at a meeting of the General Assembly or by Postal Ballot.

23.   The Executive Committee of the Union consists of *nine*ten voting members, namely: the four Officers of the Union as designated in article *16*22, together with *five*six Members-at-Large, elected by the General Assembly for terms of four years each, commencing on the first day of the calendar year following the year of their election. In addition, the retiring President shall be an ex-officio member without vote, for a period of four years. In the case of a vacancy among the Members-at-Large, the

procedure shall be the same as ~~*provided in the last sentences of*~~<ins>designated in</ins> article ~~*16*~~<ins>22</ins>.

24. The General Assembly shall normally meet once in four years, at a place and date determined by the members either at a meeting of the General Assembly or by postal ballot and arranged so far as possible to coincide with the International Congress of Mathematicians. Special meetings of the General Assembly shall be held upon the call of the Executive Committee at such times and such places as the Committee may designate. At the request of a majority of the total number of votes assigned to the members, the Executive Committee shall within six months call a special meeting of the General Assembly.

VI. Finance

25. Each Adhering Organization <ins>of a member of the Union</ins> shall pay an annual subscription in accordance with the Group in which it adheres, as follows:

Group	I	II	III	IV	V
Number of Unit Contributions	1	2	4	~~7~~<ins>8</ins>	~~*10*~~<ins>12</ins>

<ins>Associate Members of the Union pay no dues.</ins>

26. The Unit Contribution shall be determined by the General Assembly.

27. The Union may accept gifts, legacies and subventions, subject to the approval of the Executive Committee, and shall maintain a roll of benefactors on which shall be inscribed annually the names of those individuals or institutions that have contributed.

28. The Secretary of the Union shall act also as its Treasurer, unless the Executive Committee appoints one of its Members-at-Large for that purpose.

29. The legal domicile of the Union shall be located at the offices of the Secretary.

30. The financing of special projects of the Union shall be kept distinct from general expenditure, and an Adhering Organization shall be pledged only for the annual subscription in respect of general expenditure.

31. The Adhering Organizations shall be responsible for the payment of their respective annual contributions in accordance with the Groups in which they adhere. Subscriptions are due and payable on the first day of the calendar year to which they apply.

32. Any Adhering Organization which is in arrears with its contributions for two years shall be warned and shall be deprived of its voting rights. Any Adhering Organization which is in arrears for four years shall cease to be an adherent of the Union. In any

case, before taking action, the Executive Committee shall submit the question to the members of the Union by correspondence or at a meeting of the General Assembly who under special circumstances may waive these provisions by a two-thirds majority of the total number of votes assigned to the members.

33.   Any Adhering Organization, which shall withdraw from the Union or shall cease for any reason to be an adherent thereof, shall forfeit claims upon the funds of the Union.

34.   In the event of the dissolution of the Union, the settlement of its indebtedness shall be chargeable to general expenditure; and any surplus remaining after such settlement shall be disposed of by the General Assembly on recommendation of the Executive Committee, in such manner as may then be deemed most likely to aid the development of mathematical science.

VII. Statutes

35.   Changes in the Statutes may be proposed by the Executive Committee or by any of the Adhering Organizations. Notice of changes so proposed shall reach the Secretary of the Union at least four months before the meeting of the General Assembly at which action is to be taken. No change shall be made in the Statutes except at a meeting of the General Assembly and with the approval of the two-thirds majority of the total number of votes assigned to the members. Statute changes become effective on the day following the close of the General Assembly, unless otherwise stipulated in the proposed Statute change.

VIII. Duration of the Union

36.   The Union shall not be dissolved except at a meeting of the General Assembly, and with the approval of a two-thirds majority of the total number of votes assigned to the members.

VIII. Authoritative Texts

31.   The English, French and Russian texts of the Statutes shall be considered as equally authoritative.

*Postal Ballots may include communication via the post, Internet or fax as deemed appropriate by the Secretary.

BY – LAWS

I. Administration

37. The General Assembly shall meet as provided in the Statutes. Notice of special meetings shall be dispatched to the Adhering Organizations at least six months in advance.

38. The Executive Committee, the Adhering Organizations, and the Commissions of the Union may propose business to be transacted at meetings of the General Assembly. Such proposals shall reach the Secretary at least four months before the meeting at which they are to be considered.

39. The agenda for a meeting of the General Assembly shall be dispatched by the Executive Committee to the Adhering Organizations at least three months before the meeting at which they are to be considered. A question which has not been put upon the agenda may be discussed, but shall not be put to the vote unless a proposal to that effect be approved by a majority of the total number of votes assigned to the members.

40. The President with the approval of the Executive Committee may invite any person to participate in a meeting of the General Assembly for purposes of consultation upon specific items on the agenda, but such an invited participant shall have no vote.

41. The General Assembly shall

    a. Admit or reject organizations in the manner laid down in the Statutes;
    b. Elect the Officers of the Union and the Members-at-Large of the Executive Committee;
    c. Establish the Commissions of the Union, determine their terms of reference and elect their Chair*men*; and elect also representatives of the Union on Joint Commissions formed in cooperation with other international organizations;
    d. Examine and establish the regular budget and propose the projects which shall be financed independently of general expenditure, in accordance with the Statutes of the Union;
    e. Receive and consider reports from the Executive Committee and from Commissions of the Union;
    f. Determine the calendar of its ordinary meetings;
    g. Prescribe rules under which the Executive Committee may initiate and conduct postal ballots among the members of the Union during periods between meetings of the General Assembly;
    h. Prescribe rules for the representation of the Union on the International Council for Science;
    i. Take such other actions as are necessary in the exercise of its authority under the Statutes and these By-Laws.

42. The Executive Committee shall present an annual report on its activities and those of the Union to each Adhering Organization and shall also report on its activities and those of the Union at each ordinary meeting of the General Assembly. The report to

the General Assembly shall be dispatched by the Secretary to the Adhering Organizations at least two months before the meeting at which it is to be received.

43.   The Executive Committee shall meet on the call of the President. The quorum for the transaction of its business shall consist of five voting members. The Executive Committee may conduct its business by Postal Ballot.

II. President and Vice-President

44.   The President is Chair*man* of the General Assembly and of the Executive Committee. In *his*the President's absence, *his place shall be taken by*one of the Vice-Presidents will chair the General Assembly. *He*The President is an ex-officio member of all Commissions of the Union. In specific cases *he*the President may delegate this responsibility to some other member of the Executive Committee.

III. Secretary

45.   The Secretary is responsible for conducting the ordinary business of the Union and for keeping its records and *he* shall act as Treasurer subject to the proviso of Statute *17*28. At least once every four years the members of the Union shall obtain from the Executive Committee an audit of the accounts.

IV. Commissions of the Union

46.   The Commissions of the Union which may from time to time be established by the members of the Union by postal ballot or at a meeting of the General Assembly, may co-opt additional members, and shall generally have full freedom in arranging their own internal structure and work within the framework of the Statutes and By-Laws of the Union. If special funds are provided for their use, they may make their own financial arrangements, subject to the approval of the Executive Committee.

47.   The Chair*man* of each Commission, or in the case of Joint Commissions one representative designated for that purpose, shall forward records of all meetings of the Commission to the Secretary and shall report on the activities of the Commission to the General Assembly. The reports of Commissions to the General Assembly shall reach the Secretary at least three months before the meeting at which they will be received and shall be dispatched by *him*the Secretary to the Adhering Organizations at least two months before that meeting.

V. Finance

48.   The Executive Committee shall prepare financial reports and budget estimates for the consideration of the General Assembly at each of its ordinary meetings, covering in its reports the period between the immediately preceding ordinary meeting and the meeting at which they are to be received, and covering in its estimates the period between the meeting at which they are received and the next following ordinary meeting. These reports and estimates shall be dispatched by *registered mail*post or by

<u>e-mail</u> to the Adhering Organizations at least three months before the meeting at which they are to be received.*or by registered air mail at least six weeks before that meeting.*

VIII. Authoritative Texts

44.   *The English, French and Russian texts of the By-Laws shall be considered as equally authoritative.*

The General Assembly Agenda was sent in Circular Letter #4/2006.

Circular Letter #5/2006

Date: May 30, 2006

To: Adhering Organizations
        Committees for Mathematics
        Delegates to the 15th General Assembly

From: Executive Committee of the International Mathematical Union

Re: International Mathematical Union 2007-2010 Budget

A responsibility of the 15th General Assembly delegates is to determine the budget that will guide the activities of the International Mathematical Union (IMU) through 2010. In order to prepare the delegates for the budget discussion and the subsequent vote, the Executive Committee (EC) has carefully thought about the goals and future activities of the IMU and has worked to outline a proposed budget that will maximize the impact of its limited resources. The budget includes both a percentage increase in the unit contribution and an increase in the number of units paid by Groups IV and V.

As background for the budget presentation, below are highlights of the activities that the IMU EC has undertaken since the 2002 General Assembly and the pursuits that it is planning for IMU as an organization committed to strengthening mathematical activity throughout the world.

·   Following the mandate put forth by the 14th General Assembly Resolution #9, the EC has significantly enhanced its commitment to the developing world by expanding the work of its Commission on Development and Exchanges (CDE) through the newly-formed Developing Countries Strategy Group (DCSG). The DCSG now receives a greater number of grant applications from developing countries than it has in the past and distributes more grants.

·   The CDE/DCSG has established a centralized office with a half-time employee located at ICTP in Trieste, which has succeeded in leveraging dues support significantly by obtaining outside funding for mathematics in developing countries, especially in Africa. This office has also developed an online application system, which has simplified the process for mathematicians seeking funding to attend the ICM.

·   The EC has continued to encourage its Committee on Electronic Information and Communication (CEIC) to develop guidelines regarding electronic communication. In June 2005 *Best Practices for Retrodigitization* was adopted, and the CEIC also has drafted the document *Digital Mathematics Library: A Vision for the Future (www.ceic.math.ca)*.

- The IMU has improved its website by expanding the information available and by providing links to other mathematical societies.

- The IMU EC has engaged in further activities including adding an additional prize, the Carl Friedrich Gauss Prize for Applications of Mathematics, funded by the surplus from the Berlin ICM, and administered by the IMU.

- It has informally established two Nominating Committees in response to Resolution #8 of the 2002 General Assembly, with corresponding changes to the Procedures for Election that the 2006 General Assembly will be asked to approve.

- To guarantee ICM site selection equity, the EC appointed an ICM Site Advisory Committee that visited the countries that submitted ICM proposals and reported their findings to the EC.

- IMU has also continued to support the work of its International Commission on Mathematical Instruction (ICMI).

- The IMU EC has further worked to improve media coverage related to the International Congress of Mathematicians and to the work of IMU.

- So as to improve communication with mathematicians, IMU now sponsors IMU-Net, a monthly electronic update for the mathematical community.

In order to balance its budget, the EC has looked inward to reduce its operating costs, but the scope for doing so is very limited if current activities are to be sustained.

- IMU's staff is much smaller than that of several national mathematical societies, and is the minimum the organization can run with.

- Eliminating, for example, physical meetings of the Program and Fields Medal Committees, or of CEIC, would make some small savings but would compromise quality decision making in key areas.

- The EC did vote to eliminate the *World Directory of Mathematicians* and instead asked the CEIC to explore the feasibility of an electronic alternative to replace the traditional hard copy. In response, the CEIC created the Electronic World Directory of Mathematicians (http://www.mathunion.org/ewdm/), and is working to establish the Federated World Directory of Mathematicians (http://projects.cs.dal.ca/ddrive/fwdm/index.shtml), which will be presented at the GA.

- The IMU EC has elected to make Bulletins available online and to send hard copies only to organizations requesting them.

Even with these cost-saving modifications, the IMU has incurred a 2005 deficit of US $39,651 and an expected 2006 deficit of US $68,000 -- a trend that cannot be sustained. The EC recommends that the IMU continue at least its current level of

activities, including those that benefit the mathematical communities in the developing world. In order to do so, the IMU must increase its revenue by seeking outside funding and by increasing its dues, which currently are among the lowest of any of the scientific unions.

At the General Assembly, the EC will propose increasing the yearly dues unit by 5% each year for 2007-2010. We will also propose changing the number of units paid by Group IV from seven (7) to eight (8) and by Group V from ten (10) to twelve (12).

As required by the IMU Statutes, a dues group unit change must be approved by the General Assembly. (The EC previously proposed a dues group unit change in Circular Letter #3 sent on April 21. After consultation, the EC agreed to amend the information in that letter and will propose that Group IV pay eight times a single dues unit and Group V pay twelve times a single dues unit.)

The attached proposed budget includes the per unit increase of 5% each year for 2007, 2008, 2009, and 2010. Please note that even with the dues increase, the IMU will draw funds from its reserves for 2007-2009 in order to balance the budget.

Proposed Dues for 2007-2010 in Swiss Francs

Group	2007	2008	2009	2010
I – 1 unit	1386	1455	1528	1605
II – 2 units	2772	2910	3056	3210
III – 4 units	5544	5820	6112	6420
IV – 8 units	11088	11640	12224	12840
V – 12 units	16632	17460	18336	19260

The Executive Committee would like to point out that the IMU dues are still lower than most other scientific unions. In comparison, the International Union of Physiological Sciences (IUPS), an organization of similar size and scope to the IMU, charged US $33,825 (40,132 CHF) in dues in 2004 for countries comparable to IMU's group V countries, and the International Union of Pure and Applied Physics (IUPAP) charged US $33,642. Each of these organizations' 2004 dues exceeded the IMU's by nearly 29,000 Swiss Francs.

The detailed budget for 2007-2010 will be presented at the General Assembly. Below is a list in Swiss Francs of the proposed yearly IMU expenditures:

IMU Operating Expenses

·	76,188	Basic IMU expenses (secretary & pres. secretarial assistance, accountant, office expenses, including postage, audit fee, Web site support, IMU bulletin)
·	30,900	EC expenses
·	9,785	ICSU dues
·	4,120	General assembly expenses
·	19,340	Travel expenses for ICM program committee and for prize committees
·	28,840	ICM subvention
·	2,060	Contingency
·		

IMU Expenditures in Support of Commissions

·	41,200	ICMI expenses
·	177,180	CDE expenses
·	15,450	CEIC expenses
·	20,000	Other conference support
·	61,000	ICM travel grants
·	3,500	Other costs such as media relations

The EC concluded that the IMU must increase its dues revenue. Otherwise, the IMU will be forced to significantly curtail and quite possibly eliminate its developing countries program and some other activities.

The EC has worked hard to increase IMU's presence and importance in the international mathematical community through programs and policies that benefit not only the developing world but all mathematicians. To sustain these efforts, the IMU EC has obtained and continues to search for support from outside funding sources to supplement dues revenue.

In summary, the IMU realistically faces two choices: 1) to continue the current level of activity including the support of mathematics in developing countries and the CEIC, or 2) or to return to a minimal set of activities that would eliminate the ones as outlined above.

We encourage you to read the documentation carefully and to support the work of the IMU.

Sincerely,
Phillip A. Griffiths
Secretary
imu@ias.edu

	International Mathematical Union						
	Proposed Budget for 2007-2010 (Swiss Francs)						
Expenses	**Approved Budged for 2003-2006**			**5% Dues increase**	**5% Dues increase**	**5% Dues increase**	**5% Dues increase**
Schedule A:	**1995-1998**	**1999-2002**	**2003-2006**	**2007**	**2008**	**2009**	**2010**
Secretarial help, IMU office	15,000	17,000	22,000	22,660	22,660	22,660	22,660
Secretarial help, President	3,000	5,000	5,000	5,150	5,150	5,150	5,150
Accountant			9,000	9,270	9,270	9,270	9,270
ICMI	11,000	11,000	11,000	11,330	11,330	11,330	11,330
CDE	6,000	6,000	6,000	6,180	6,180	6,180	6,180
Office expenses (including postage)	8,400	14,400	16,000	16,480	16,480	16,480	16,480
Travel expenses of the EC	27,600	30,000	30,000	30,900	30,900	30,900	30,900
President's and Secretary's expenses	2,000	4,000	4,000	4,120	4,120	4,120	4,120
Contribution to ICSU	7,000	7,000	9,500	9,785	9,785	9,785	9,785
IMU Bulletin	2,000	3,000	5,000	1,500	1,500	1,500	1,500
Audit fee	2,000	4,500	8,500	8,755	8,755	8,755	8,755
	4,000	4,000	4,000	4,120	4,120	4,120	4,120
World Directory of Mathematicians	**20,000**	**20,000**	20,000	0	0	0	0
Contingencies	2,000	2,000	2,000	2,060	2,060	2,060	2,060
Subtotal of Schedule A	**110,000**	**127,900**	**152,000**	**132,310**	**132,310**	**132,310**	**132,310**
Schedule B:							
IMU non-CDE conference support	65,000	86,000	90,000	20,000	20,000	20,000	20,000
ICMI scientific activities	22,000	22,000	29,000	29,870	29,870	29,870	29,870
CDE scientific activities	40,000	33,000	40,000	115,000	115,000	115,000	115,000
CDE support staff				56,000	56,000	56,000	56,000
CEIC scientific activities			15,000	15,450	15,450	15,450	15,450
Website support				6,253	6,253	6,253	6,253
ICM Site Committee				2,000	2,000	2,000	2,000
Program Committee for ICM	6,000	8,000	8,000	8,240	8,240	8,240	8,240
Subvention to ICM	26,000	28,000	28,000	28,840	28,840	28,840	28,840
Prize Committees (subvention)				11,100	11,100	11,100	11,100
Travel grants (young & senior)	25,000	40,000	40,000	61,000	61,000	61,000	61,000
Media Relations				3,500	3,500	3,500	3,500
Subtotal of Schedule B	**159,000**	**177,000**	**210,000**	**357,253**	**357,253**	**357,253**	**357,253**
Total Expenses (A & B)	**269,000**	**304,900**	**362,000**	**489,563**	**489,563**	**489,563**	**489,563**
Income							
Membership dues	210,000	254,400	279,840	336,798	353,565	371,304	390,015
ICSU Grant	26,000	10,500	10,500	0	0	0	0
Special Development Fund	25,000	45,000	60,000	32,000	32,000	32,000	32,000
Interest on bank accounts	23,000	23,000	39,000	16,000	16,000	16,000	16,000
Abel Fund				59,220	59,220	59,220	59,220
Draw from Reserves				45,545	28,778	11,039	0
Return to Reserves							-7,672
Total Income	**284,000**	**332,900**	**389,340**	**489,563**	**489,563**	**489,563**	**489,563**
Income less Expenses				**0**	**0**	**0**	**0**

International Mathematical Union

Date: June 11, 2006

To: Adhering Organizations
        Committees for Mathematics
        Delegates to the 15th General Assembly

From: Executive Committee of the International Mathematical Union

Re: IMU Procedures for Elections
        ICMI Procedures for Elections

At the 14th General Assembly in 2002, the delegates approved Resolution #8 that charged the IMU Executive Committee (EC) to "develop a proposed mechanism to involve members from the Committees for Mathematics, not on the Executive Committee, to assist in the selection of slates." In response, the EC amended the IMU's Procedures for Elections and the International Commission on Mathematical Instruction's Procedures for Elections. The documents below will be presented to the 15th General Assembly. Please review carefully.

International Mathematical Union
Procedures for Election

Procedures for the Election of the IMU Executive Committee (EC)
IMU Commission on Development and Exchanges (CDE)
Joint International Commission on the History of Mathematics (ICHM)

Updated 2006

1.   The Nominating Committee of the International Mathematical Union will be formed
        with the purpose of presenting slates of nominations to the Adhering Organizations in
        preparation for the elections at the General Assembly. It will consist of seven people
        chosen as follows:
        a) Chair -- The Chair of the IMU Nominating Committee is chosen by the President
           of the International Mathematical Union (IMU) and must not be a current member
           of the IMU Executive Committee, or work in the same country as the President.
        b) President of IMU -- The current President of IMU, in the year that the Nominating
           Committee is formed, will be a member of the IMU Nominating Committee with
           full voting rights.
        c) Three other persons chosen at random from nominations -- The Executive
           Committee of IMU arranges for the choice of three people at random from
           nominations received from Adhering Organizations of IMU of persons who are
           not current members of the IMU Executive Committee, who are willing to serve,
           and who do not work in the same country as the Chair or President.

d) This call for nominations should be sent to the Adhering Organizations by 1 September in the year ICM-2 (that is, two years prior to the International Congress of Mathematicians), with nominations to be received by 1 December of the same year. One person must be chosen from nominations submitted by Groups I and II, one person chosen from nominations submitted by Groups III and IV and one person chosen from nominations submitted by Group V. Each Adhering Organization may submit one name of a person who is willing to serve. If there are no nominations in one of these three categories, then a person will be chosen at random from the other two categories.

e) Two persons with experience of IMU -- Finally two persons are chosen jointly by the Chair and the President of IMU. In the event of disagreement, the Chair and President each will choose one person. These two people should ideally be former members of the IMU Executive Committee or, if such persons are unavailable, have significant experience of IMU's affairs. In order to gain a balanced IMU Nominating Committee, the Chair and President will consider criteria such as geography, sub-field representation, and gender representation.

2. Duties of the IMU Nominating Committee
   a) Nomination slates will be formed for the IMU Executive Committee (EC), IMU Commission on Development and Exchanges (CDE), and the Joint International Commission on the History of Mathematics (ICHM).
   b) The slates for the commissions will be formed taking advice from the current officers of these commissions, but this advice is not binding on the IMU Nominating Committee.
   c) The IMU Nominating Committee will nominate one name for the position of President of IMU, Secretary of IMU, President of CDE, and Secretary of CDE and one name for each of the two Vice Presidents of IMU. The IMU Nominating Committee will nominate at least two more names than the number of Members-at-Large of IMU and CDE, and for the ICHM representatives.
   d) Schedule -- By 1 September ICM-2, the Chair of the IMU Nominating Committee accepts post. By 1 February ICM-1, the Committee is complete. A separate ICMI Nominating Committee will form slates for the International Commission on Mathematical Instruction.

3. Calls for Nominations
   a) By 1 November ICM-2, the IMU Secretary will send a call for nominations to the Adhering Organizations and Committees for Mathematics for the offices of President and Secretary of IMU. The Adhering Organizations and Committees for Mathematics' submissions must include a candidate's declaration of willingness to serve if elected and a CV. These nominations are due 15 January ICM-1.
   b) By 1 September ICM-1, the IMU Secretary will send a call for nominations to the Adhering Organizations and Committees for Mathematics for the offices of Vice President and Members-at-Large for the IMU EC, the Chair, Secretary and Members-at-Large for CDE and for the IMU Representatives to ICHM. The Adhering Organizations and Committees for Mathematics' submissions must include a candidate's declaration of willingness to serve if elected and a CV. These nominations are due by 15 November ICM-1.
   c) The Nominating Committee is free to nominate persons for all offices.

4.   Slate -- Two months prior to the IMU GA, the Secretary will send to the Adhering Organizations and Committees for Mathematics the IMU NC slates, including candidates' CVs, plus a list of all persons nominated. The Adhering Organizations and Committees for Mathematics are asked to cooperate in having their delegates to the IMU General Assembly fully informed.

5.   General Assembly
   a) The Chair of the Nominating Committee will present the IMU slates to the General Assembly. If the Chair is unavailable, the President of IMU will present the slates.

   b) Further nominations can be made from the floor after the slates of the IMU Nominating Committee have been presented, provided that they are drawn from names previously offered by the Adhering Organizations and Committees for Mathematics as in item 3, signed by at least ten (10) delegates, from at least (3) three countries. In exceptional circumstances, nominations not previously offered as in item 3 can be made from the floor provided that each case be approved by a vote of the GA. Each such nomination must be accompanied by a statement of willingness to serve, a 2 page CV and be signed by at least ten (10) delegates, from at least three (3) countries.

   c) The IMU General Assembly shall then elect the following: the new President, Vice-Presidents, Secretary, and Members-at-Large for the IMU EC; Chair, Secretary and Members-at-Large for CDE; IMU Representatives to ICHM. The vote will be taken via written ballots that include the Nominating Committee slates as well as the list of nominations from the floor as stated in 5b.

   d) Voting by the General Assembly shall be by delegations, provided that each delegation shall be free to cast the votes to which it is entitled either as a unit or divided in such a manner as it may determine. Each delegation will receive the number of ballots corresponding to its specific number of votes and one envelope. The head of each delegation will distribute a ballot to each delegate present. To record a vote, a delegate will mark an "X" in the column next to the candidate's name and then place the ballot in the envelope provided. Each delegation must return all ballots distributed to them, even if the delegation votes as a whole, e.g., Group III will receive three ballots and must return three completed ballots, even if the ballots are identical. The head of each delegation has the responsibility to complete any ballot for which no delegate is present.

   e) A vote shall be invalid if more names are marked in any category than the number of places to be filled (i.e., IMU EC--one each for President and Secretary, one for each of the two Vice-Presidents and one for each of the Members-at-Large, CDE—one each for Chair and Secretary and one for each of the Members-at-Large, ICHM--one for each of the two IMU representatives).

   f) A candidate for IMU EC President or Secretary is elected if he or she obtains a majority of the votes cast. In the event of a tie, the balloting will be repeated. If a tie still exists, the IMU President will decide.

   g) In the ballots for the IMU EC Vice-Presidents and Members-at-Large, the candidates respectively who obtain the largest numbers of votes shall be elected. In the event of a tie, the IMU President shall decide.

h) A candidate for the IMU CDE Chair and Secretary is elected if he or she obtains a majority of the votes cast. In the event of a tie, the balloting will be repeated. If a tie still exists, the IMU President will decide.

i) In the ballots for the IMU CDE Members-at-Large, the candidates who obtain the largest numbers of votes shall be elected. In the event of a tie, the IMU President shall decide.

j) In the ballots for the IMU ICHM representative, the two candidates who obtain the largest numbers of votes shall be elected. In the event of a tie, the IMU President shall decide.

International Commission on Mathematical Instruction
Procedures for Election

1. **Formation of the ICMI Nominating Committee**
   The International Commission on Mathematical Instruction (ICMI) Nominating Committee will be formed with the purpose of presenting the slate of nominations for the ICMI Executive Committee (EC) to the Adhering Organizations and member representatives to ICMI, in preparation for the ICMI elections by the ICMI General Assembly (GA). The Nominating Committee shall consist of seven people, each with full voting rights. None of its members shall be eligible for nomination for the ICMI EC. In forming the ICMI Nominating Committee, due consideration should be given to balance, for example with respect to geographic region, sub-field, and gender. The ICMI Nominating Committee will be formed by the following process, which should be completed by 31 December, year ICME-2 (that is, two years prior to the International Congress on Mathematical Education).

   a) **Chair of the Nominating Committee**
      The Chair of the ICMI Nominating Committee shall be chosen by the President of the ICMI in consultation with the President of the IMU and must not be a current member of the IMU EC or the ICMI EC, or be working in the country of either president.

   b) **President of ICMI, or his/her nominee**
      The current President of the ICMI, or a nominee of the President, in the year that the ICMI Nominating Committee is formed, shall be a member of the ICMI Nominating Committee.

   c) **President of IMU, or his/her nominee**
      The current President of the IMU, or a nominee of the President, in the year that the ICMI Nominating Committee is formed, shall be a member of the ICMI Nominating Committee.

   The above three members shall constitute the "core members" of the ICMI Nominating Committee

   d) **One person chosen by the IMU EC**
      The current IMU EC, in the year that the ICMI Nominating Committee is formed, will choose one person to be a member of the ICMI Nominating Committee. This person should, ideally, be one who is knowledgeable regarding ICMI matters and must not be a member of the ICMI EC in the year that the Nominating Committee is formed.

   e) **Two persons chosen at random from nominees of ICMI/IMU member countries**
      The ICMI EC will administer a *random selection* of two members of the Nominating Committee from a pool of nominees submitted by the ICMI member countries in good standing.[1] These nominees shall be persons who are not current members of the ICMI Executive Committee, who are willing to serve, and

who do not work in the same country as any of the Nominating Committee members in categories a)-d) above. Each ICMI member country in good standing will be entitled to at most one nomination for the Nominating Committee. The call for such nominations should be sent by the ICMI EC to the Adhering Organizations and the member representatives to ICMI, by 1 September in the year ICME-2.[2] Nominations, submitted to the ICMI EC, should be received by 1 December of the same year.

f) **One person experienced with the work of ICMI, chosen by the core members of the ICMI Nominating Committee**
One further member will be chosen by the core members of the ICMI Nominating Committee. This person should, ideally, be a former member of the ICMI Executive Committee.

2. **Duties of the Nominating Committee — the ICMI Nominating Committee Slate**
A nomination slate, to be called the "ICMI Nominating Committee slate," will be formed by the ICMI Nominating Committee for the election of the Executive Committee of the International Commission on Mathematical Instruction (ICMI EC). This slate shall consist of a unique candidate for each of the four ICMI officers (President, Secretary-General, and two Vice-Presidents), plus at least seven nominees for the remaining five members ("Members-at-Large") of the ICMI EC to be elected. When forming this slate, the ICMI Nominating Committee, in addition to taking into consideration the nominations received in response to the call made in accordance with item 3 below, is authorized to nominate any duly qualified person for each position.

3. **Call for Nominations**
By 15 November ICME-2, the ICMI Secretary-General will send a call for nominations — to the Adhering Organizations and member representatives to ICMI — for each of the ICMI EC positions: President, Secretary-General, Vice-Presidents, and Members-at-Large. Each nomination in response to this call must be accompanied by the proposed candidate's CV and declaration of willingness to serve if elected. These nominations must be received by 1 April ICME-1 for President and Secretary-General, and by 1 June ICME-1 for the other positions, in order to be assured of official consideration. Only member countries in good standing are eligible to submit nominations.

4. **Presentation of the Nominating Committee Slate**
Two months prior to the ICMI GA, the Secretary-General will send to the Adhering Organizations and member representatives to ICMI the ICMI Nominating Committee slate (see item 2 above). This will be accompanied by a CV for each of the candidates on the slate, plus a list of all nominations submitted to the ICMI Nominating Committee (and meeting the conditions in item 3 above).
If, subsequent to presentation of the slate, and before the General Assembly election, a candidate becomes suddenly unavailable, the core members of the ICMI Nominating Committee shall have the responsibility to propose a replacement candidate, with appropriate documentation, in time for the General Assembly election.

5. **Nominations from the Floor of the General Assembly**
From the floor of the General Assembly, delegates may present additional nominations, subject to the following prior conditions.
   (i) The nomination must be for a specified position, and come from a member country in good standing, with the written endorsement of at least ten other member countries in good standing.
   (ii) The person nominated must be among those proposed by the Adhering Organizations and member representatives to ICMI in response to the call for nominations made in accordance with item 3 above.
   (iii) The nomination must be accompanied by a CV of the nominee and a reconfirmation of the nominee's willingness to be so nominated, and to serve if elected.
   (iv) In case the nominee is already on the ICMI Nominating Committee slate, but is now being nominated for a different position, that person's name will then be withdrawn from consideration for the position proposed in the ICMI Nominating Committee slate. In short, no person may run as a candidate for more than one position.
   (v) The intention to make such a nomination from the floor, together with the above supporting materials, must be communicated to the Secretary-General of ICMI prior to the General Assembly, in time for possible advance dissemination of the documentation to the General Assembly delegates.

6. **Election by the General Assembly**
   a) The Chair of the Nominating Committee will present the ICMI Nominating Committee slate to the ICMI General Assembly. If the Nominating Committee Chair is unavailable, the President of ICMI will present the slate.
   b) Further nominations may be made from the floor, subject to the requirements in item 5 above. This will complete the formation of the ICMI slate.
   c) The election of the ICMI EC, based on the ICMI slate, will be conducted as follows. The election shall be presided over by the President of ICMI, or, should the President be not available or be on the ICMI slate, by a member of the ICMI EC, designated by the ICMI EC, who is not on the ICMI slate. Separate elections (with written ballots) shall be taken in the following order, each member country in good standing, represented by its delegate to the GA, having one vote in each election:
      - President   [vote for one]
      - Secretary-General   [vote for one]
      - Vice-Presidents   [vote for two]
      - Members-at-Large   [vote for five]

      A ballot will be considered invalid if more names are marked than the number of places to be filled.
   d) A candidate for ICMI President or Secretary-General shall be considered elected if the candidate either is unopposed or receives a majority of the votes cast. If no candidate receives a majority of the votes cast, a second ballot shall be taken for the two or more candidates receiving the largest numbers of votes. The winner of the second ballot shall be the candidate receiving the largest number of votes cast. If there is more than one such candidate, the winner shall be chosen by the

presiding officer from among those candidates receiving the largest number of votes.

e) For the election of Vice-Presidents, the two candidates receiving the largest numbers of votes shall be considered elected. If more than two candidates qualify by this criterion, then a second ballot shall be conducted for these candidates to elect the one or two positions not yet determined by the first ballot. If this second ballot leaves the election still unresolved, then the presiding officer shall choose the winner(s) from among those receiving the largest number(s) of votes.

f) For the election of Members-at-Large, the five candidates receiving the largest numbers of votes shall be considered elected. Should more than five candidates meet this criterion, a second ballot shall be conducted for those candidates meeting this criterion, to elect the one or more positions not yet determined by the first ballot. If this second ballot leaves the election still unresolved, then the presiding officer shall choose the winner(s) from among those receiving the largest number(s) of votes.

7. **Changes in the Election Model**

The above terms for the structure and formation of the *ICMI Nominating Committee* (items 1 and 2 above) form part of the Terms of Reference of ICMI as a Commission of the IMU. As such, any changes in them should be proposed to the IMU EC, for possible submission to the IMU GA for approval. On the other hand, the above *election procedures* are part of the operating rules of ICMI, and, as such, are under the jurisdiction of the ICMI GA. Proposed changes to the election procedures (items 3, 4, 5, and 6 above) should either be submitted to the ICMI EC, for possible consideration by the ICMI GA, or they may be proposed from the floor of a GA meeting. In the latter case, action on the proposal can be taken only at the following meeting of the GA. Any proposed changes adopted by the GA will apply starting with the election following that meeting of the GA.

Notes

(1) "Good standing" is defined by two requirements of the ICMI member country: 1. Being current in dues payments; and 2. Having clearly identified a member representative who, in turn, has established effective contact with the ICMI Secretary-General.

(2) The letter of solicitation of nominees for the Nominating Committee from the ICMI member countries in good standing should contain some explanation of the functioning of the Nomination Committee, and of the desired qualifications of members of the Nominating Committee.

Transition Process

1. The new ICMI EC nomination and election model has been approved by the IMU EC in 2004, along with similar proposed changes in its own nomination and election processes. This model has two parts: (1) Formation and function of the Nominating Committee; and (2) Election by the General Assembly of ICMI. In light of IMU EC approval, part (1), the new model for formation of the ICMI Nominating Committee, and the fulfillment of its duties, have been implemented for the 2006 election. The existing Statutes of IMU remain in force at this time, so that the slate submitted by the 2006 ICMI Nominating Committee shall have the status of advice to the IMU EC. This slate shall be

communicated to the EC's of both ICMI and IMU and will, with IMU EC approval, be presented by the ICMI Nominating Committee Chair to the IMU General Assembly in Spain.

2. The election of the ICMI EC shall then take place at, and by, the General Assembly of IMU, at ICM-Madrid in 2006. The ICMI Nominating Committee Chair, and the President of ICMI, will attend the IMU GA to be available to explain the slate, and to answer questions about it that may arise. If the General Assembly of IMU approves the new election procedures, the terms of the ICMI EC at this election will be for three years, 1 January, 2007 – 31 December, 2009. Exceptionally, the President elected in the 2006 election shall be eligible for nomination for a second term.

3. The next election of the ICMI EC will be at, and by, the ICMI General Assembly at ICME-11, in Monterrey, Mexico, July 2008. This election will be conducted according to the above model, with the exception that the then elected EC will assume office only on 1 January, 2010, and for a term of only three years, ending 31 December, 2012.

4. The subsequent ICMI EC election will occur at, and by, the ICMI General Assembly at ICME-12, in 2012, fully in accord with the above model. The ICMI EC elected on that, and future occasions will serve four-year terms, beginning 1 January of the year following the election.

Circular Letter #7/2006

Date: June 26, 2006

To: Adhering Organizations
      Committees for Mathematics
      Delegates to the 15th General Assembly

From: Executive Committee of the International Mathematical Union

Re: Proposed Resolutions
      United States of America Committee for Mathematics

The United States of America Committee for Mathematics and the United States of America 2006 General Assembly delegation present the following resolutions for consideration by the 15th General Assembly.

Resolution 1:

The General Assembly of the IMU endorses the new version of the "Best Practices" document of its Committee on Electronic Information and Communication (CEIC), posted June 29, 2005 at http://www.ceic.math.ca, as well as the March 24, 2005 draft of "Digital Mathematical Library: A vision for the Future", a vision of a distributed collection of past mathematical scholarship that serves the need of all science, and encourages mathematicians and publishers of mathematics to join together in implementing this vision. The ultimate goal is to create an enduring network of digital mathematical literature, most of which can be seamlessly traversed by all scientists engaged in mathematical research and scholarship. The General Assembly endorses in particular all provisions designed to ensure access by mathematicians of the developing world to current mathematical literature.

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Resolution 2:

During these continued times of heightened tensions, security concerns and international unrest, the General Assembly continues to urge free scientific exchange and publication, and in particular, free circulation of scientists and mathematicians across international borders. The IMU opposes efforts by governments to restrict contacts, interactions, access and travel in the world mathematical community, particularly when such restrictions arise from holding individual mathematicians liable for the actions of their governments. The General Assembly of the IMU continues to endorse the principle of universality expressed in the International Council for Science (ICSU) ARTICLE 5 of the STATUTES, as adopted by the 1998 General Assembly, and endorses the additional ICSU Statement on the Universality of Science, dated December 2004.

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Resolution 3:

The increasingly central role of the International Mathematical Union as mathematics' premier international professional organization in our evermore interconnected world is undeniable. Indeed the health of mathematics in any individual country depends increasingly on its participation in the global enterprise of cultivating and protecting mathematical scholarship and learning in a global context.

Additionally, the responsibility of the IMU to reach out to the developing world and the opportunities available to do so, the importance of the IMU in encouraging quality mathematics education world-wide, and IMU's role in such projects as retro-digitalization of the body of mathematical scholarship, make a strong case for increased programmatic and administrative resources.

Given its increasingly important and visible international role, the IMU can no longer rely entirely for its administration on the generosity of a small and necessarily transient cadre of mathematicians. Nor is it any longer appropriate or realistic to expect that those few mathematicians, with the temporary support of administrative personnel on whom they themselves rely, carry the burden of what is a shared responsibility of the entire mathematics community.

We propose that the incoming Executive Committee of the IMU study the establishment of a permanent IMU office, with small professional administrative staff, and with the goals of
1) increasing the scope, continuity and professionalism of IMU's world-wide enterprises,
2) increasing the visibility of those enterprises,
3) increasing accountability and transparency of IMU operations,
4) supporting the search for external resources for IMU commissions and activities.

The EC should report its findings and recommendations for action, including an appropriate business plan, to the 2010 IMU GA.

Procedures for the Election of the Executive Committee of IMU (current)

Updated in 1999

1. Not less than a year before the meeting of the GA, the EC shall request proposals for the membership of the EC from the National Committees for Mathematics, to be considered before the spring EC meeting prior to the Assembly. The candidate's CV and a brief description of activities should accompany the suggestions, as should assurance of the candidate's willingness to serve if elected.
2. The EC shall then form its own slate. The slate should be mailed to the National Committees at least four months before the GA, together with background on the candidates, their fields and countries/geographic areas.
3. After the slate drawn by the EC is known, the National Committees can make further proposals of names specifically for the offices of President, Secretary, Vice-President, and Members-at-Large. These proposals shall reach the Secretary not less than two months before the GA. The same information as in (1) and (2) concerning the nominees, including their willingness to serve if elected, should be provided.
4. The Secretary will send to the National Committees a list of all names proposed, as well as candidates' CVs, before the GA. The National Committees are asked to cooperate in having their delegates to the GA fully informed.
5. On the first day of the meeting, the General Assembly shall appoint a Nominating Committee (NC) consisting of:
    1. the President of IMU (chairman),
    2. all Past Presidents who are present (ex-officio),
    3. eight further delegates.

    Election to the NC shall be from names either proposed by the President or proposed and seconded from the floor, and shall be by show of hands unless the meeting decides otherwise.

6. The NC shall propose a slate drawn from the slate of the EC and the names in (1) and (3) and shall make it known to the meeting.
No person shall be a candidate for more than one office.

7. Further nominations can be made from the floor after the slate of the NC has been declared, provided that they are drawn from names previously offered by the National Committees as in items (1) and (3) , signed by at least ten delegates, and convey the same information as in (2) and (3) above.

8. The General Assembly shall then elect the new President, Vice-President, Secretary, and Members-at-Large by written ballots from the EC and NC slates as well as the list of nominations from the floor (unless a candidate withdraws), but no others.
A vote shall be invalid if more names are marked in any category than the number of places to be filled (i.e., one each for President and Secretary, two for Vice-Presidents and five for Members-at-Large).

A candidate for President or Secretary may be elected only if unopposed or if he or she obtains a majority of the votes cast. If the first ballot is indecisive, there shall be a second ballot.

In the ballots for the Vice-Presidents and Members-at-Large, the two or five candidates respectively who obtain the largest numbers of votes shall be elected. In the event of a tie, the President shall decide.

Note: Statute (14) provides (inter alia) that: "each delegation shall be free to cast the votes to which it is entitled either as a unit or divided in such a manner as it may determine."

Procedures for the Election of the Executive Committee of ICMI

The rules for the election of the Executive Committee of ICMI are similar to those for the election of the Executive Committee of IMU with the same Nominating Committee.

The EC of IMU shall request proposals for the membership of the EC of ICMI from the National Committees for Mathematics and will conduct extensive consultations with the existing Executive Committee of ICMI before proposing slates to the Nominating Committee.

No person can be a candidate for more than one office.

Procedures for the Election of CDE

The rules for the election of the Commission of Development and Exchange are similar to those for the election of the Executive Committees of IMU and ICMI with the same Nominating Committee.

The EC of IMU shall request proposals for the membership of CDE from the National Committees for Mathematics and will conduct extensive consultations with the existing CDE before proposing slates to the Nominating Committee.

No person can be a candidate for more than one office.

Procedures for the Election of ICHM

The rules for the election of the two IMU members of the Executive Committee of ICHM are similar to those for the election of the Executive Committees of IMU, CDE and ICMI, with the same Nominating Committee.

The EC of IMU shall request proposals for the membership of the two IMU members from the National Committees for Mathematics and will conduct extensive consultations with the existing ICHM before proposing slates to the Nominating Committee.

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The London Mathematical Society (LMS) has designated its International Affairs Committee (IAC) as the UK Committee for Mathematics. Its chair is Stephen Huggett. The LMS headquarters support the new committee, through Mark Perera (as secretary to IAC) and Peter Cooper (as Executive Secretary). Thus they are the main contacts for IMU liaison and will work with the IAC Chair and members to respond to IMU requests. John Ball is also a member of the International Affairs Committee.
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Report of the IMU Executive Committee to the 15th General Assembly
for the period 2002-2005

EXECUTIVE COMMITTEE MEETINGS
The Executive Committee of the IMU held the following meetings:
- · 70th Meeting of the Executive Committee, Shanghai, China, 2002
- · 71st Meeting of the Executive Committee, Princeton, NJ, USA 2003
- · 72nd Meeting of the Executive Committee, Oxford, England, 2004
- · 73rd Meeting of the Executive Committee, Rio de Janeiro, Brazil, 2005
- · 74th Meeting of the Executive Committee, Berlin, Germany, 2006
- · Excerpts from the minutes of these meetings may be found in the Bulletins, which are located at: http://www.mathunion.org/Publications/Bulletins.html.
- · Due to the death of Executive Committee member Andrey A. Bolibruch, Victor Vassiliev was appointed as a member of the IMU Executive Committee through December 2006.

ASSOCIATE MEMBERSHIP
The Executive Committee is seeking to encourage a greater number of developing countries to become members of the Union and therefore has developed an IMU membership category called Associate Membership. An Associate Member will adhere to the Union through an Adhering Organization and will need to identify a Committee for Mathematics. However, an Associate Member will not pay dues and will not have voting rights. A country will be an Associate Member for a period of four years, renewable for an additional period of four years, with the expectation that the Associate Member then become a full member of IMU. Further information will be presented to the General Assembly.

COLLOQUIA
After carefully reviewing the 14th General Assembly Resolution #9, the Executive Committee decided that most of the budgeted IMU colloquia funds should be awarded to proposals from developing countries. It was also decided that IMU Commission on Development and Exchanges (CDE) is the appropriate committee to review all of the applications from developing countries and ultimately to decide how the colloquia funds should be dispensed.

CDE/DCSG
To help the CDE maximize the IMU's efforts to expand mathematics in the developing world, the Executive Committee created the Developing Countries Strategy Group (DCSG) and located its administrative office in Trieste, Italy, with a ½ time administrative employee. The committee comprises Herb Clemens, Chair, Jacob Palis, Ragni Piene, Jean-Pierre Gossez, Michele Artigue, Le Dung Trang and John Ball, *ex officio*.

IMU-NET
The IMU-Net was created as an electronic newsletter with the aim to improve communications between IMU and the worldwide mathematical community, by reporting decisions and recommendations of the IMU, and highlighting issues that are under discussion. The IMU would like to thank editor Mireille Chaleyat-Maurel for her good work. Further information can be found at: http://www.mathunion.org/Publications/Newsletter/.

IMU REPRESENTATIVES
The IMU thanks the following persons for representing the IMU:
- · COSPAR – Alain Bensoussan
- · ICSU – John Ball
- · Gruber Cosmology Prize – John Ball

LOGO
The EC held an IMU logo competition. The winning logo will be unveiled at the ICM2006 in Madrid, Spain. The creator of the chosen logo will receive a trip to the Congress.

MEMBERS
Since the 14th General Assembly, the following countries have joined the IMU or have changed their group. The list of the IMU member countries can be found at:
http://www.mathunion.org/Members/Countries.html
- · Brazil – Group IV (January 2005)
- · Egypt – Group II (January 2003)
- · Georgia – Group I (January 2003)
- · India – Group IV (January 2004)
- · Indonesia – Group I (joined January 2005)
- · Democratic Republic of Korea – Observer Status (January 2003)
- · Pakistan – Group I (joined January 2005)
- · Portugal – Group II (January 2006)
- · Spain – Group IV (January 2005)
- · Yugoslavia – Group I (January 2003)

NOMINATING COMMITTEES
In reference to 14th General Assembly Resolution #8, the Executive Committee created an IMU Nominating Committee and an ICMI Nominating Committee. Both committees worked informally to prepare the 2007-2010 slates.

POSTAL BALLOTS
The following Postal Ballots were sent to the Adhering Organizations and Committees for Mathematics for the years 2003-2006.

2003:
- · #1/03 – India to change from Group III to Group IV as of January 1, 2004. All votes received were in favor except for one abstention.

2004
- · #1/04 – Brazil to change from Group III to Group IV as of January 1, 2005. All votes received were in favor.
- · #2/04 -- Spain to change from Group III to Group IV as of January 1, 2005. All votes received were in favor.
- · #3/04 – Indonesia to be admitted to IMU in Group I as of January 1, 2005. All votes received were in favor.
- · #4/04 – Pakistan to be admitted to IMU in Group I as of January 1, 2005. All votes received were in favor.

- #5/04 – Victor Vassiliev to fill the position as Member-at-Large on the IMU EC left vacant due to the death of Andrey A. Bolibruch. All votes received were in favor.

2005
- #1/05 – Portugal to change from Group I to Group II as of January 1, 2006. All votes received were in favor.

2006
Circular Letters for 2006 are contained in this Bulletin beginning on page 11.

PRIZES

- Carl Friedrich Gauss Prize – To be awarded for the first time in 2006, the IMU *Carl Friedrich Gauss Prize* for applications of mathematics is to be awarded for outstanding mathematical contributions that have found significant practical applications outside of mathematics, or achievements that made the application of mathematical methods to areas outside of mathematics possible in an innovative way.

- Abel Prize -- The Abel Prize, established in 2002 to recognize "outstanding scientific work in the field of mathematics", was awarded for the first time in 2003. The committee consists of five members with three persons nominated by the IMU. The following people have served on the Abel committees during the years 2003-2006: John Ball, Ingrid Daubechies, Laszlo Lovasz, David Mumford, Jacob Palis, Claudio Procesi, and Gil Strang.

- The Ramanujan Prize -- The Ramanujan Prize will be awarded annually to a young researcher who is conducting research in a developing country. The prize was created by the International Centre for Theoretical Physics (ICTP), in cooperation with IMU, with funds from the Niels Henrik Abel Memorial Fund. The IMU nominates one member of the Selection Committee and chooses three others in cooperation with ICTP.

- It was decided by the Executive Committee to announce the chair of the Fields Medal, Rolf Nevanlinna, and the Carl Friedrich Gauss Prize committees: John Ball (Fields), Margaret Wright (Nevanlinna) and Martin Groetschel (Gauss).

SITE COMMITTEE
The Executive Committee appointed an ICM Site Committee to review applications from countries seeking to host the ICM2010. The Site Committee visited each of the two countries that submitted proposals and will recommend to the 15th General Assembly that India host ICM2010.

WORLD DIRECTORY OF MATHEMATICIANS
In 2003, the IMU Executive Committee voted to discontinue the publication of the World Directory of Mathematicians. As a replacement, the CEIC is working to create the Federated World Directory of Mathematicians (FWDM). Information is available at: http://projects.cs.dal.ca/ddrive/fwdm/index.shtml.

Report of

COMMISSION ON DEVELOPMENT AND EXCHANGES (CDE)

Activities in January 2003 – March 31, 2006

Report prepared by Sharon Laurenti
Administrative Secretary, IMU/CDE

During the period 1 January 2003 - 31 March 2006, the CDE received 102 applications for support for conferences and 64 applications for support for research travel by mathematicians from developing and economically disadvantaged countries. After initial routine screening to ensure that requests fell within IMU program guidelines, 157 of these were processed by the Commission. 85 conferences were supported with at least a partial contribution ranging from US$ 850 to US$ 3,000, the lower amounts being largely dictated by financial constraints, and therefore not necessarily indicative of lesser conference quality. 46 applications for individual research travel were supported with at least partial funding. As can be seen from the list below, CDE's international reach is expanding.

Country	No. grants awarded
Algeria	3
Argentina	3
Armenia	2
Bangladesh	1
Rep. Benin	3
Botswana	3
Brazil	4
Burundi	1
Cambodia	1
Cameroon	5
Canada	1
Chile	3
China P.R.	2
Colombia	3
Congo P.R.	1
Costa Rica	1
Egypt	2
Finland	1
Gaza Strip	1
India	21
Iran	7
Jordan	1
Kazakhstan	1
Lebanon	2

Malaysia	1
Mali	1
Mauritania	1
Mexico	7
Morocco	7
Niger	1
Nigeria	4
Pakistan	1
Philippines	1
Russian Federation	2
Senegal	1
Serbia and Montenegro	3
Singapore	1
South Africa	3
Spain	1
Sri Lanka	1
Tunisia	3
Turkey	3
Uruguay	4
Uzbekistan	4
Venezuela	1
Vietnam	7

In the cases of support being granted for conferences in the advanced countries among the above, it is to be noted that the support was granted solely for the participation of mathematicians from developing and economically disadvantaged countries.

A detailed financial report accompanies this narrative.

This opportunity is taken to illustrate below the substantial annual fluctuations in CDE's income.

CDE income since 1998

1998

Source	*Amount (US$)*
IMU Schedule A	Beginning balance 4,217.02 + 4,264.20 income
IMU Schedule B	Beginning balance 62,210.40 +12,537.90 income
Total available	83,229.52

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1999

Source	Amount (US$)
ICSU (MUSA)	7,000.00
IMU Schedule A	4.744.20
Mathematical Society of Japan	3,886.54
Total income	15,630.74

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2000

Source	Amount (US$)
ICSU (MUSA)	7,000.00
IMU Schedule B	11,000.00
Total income	18,000.00

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2001

Source	Amount (US$)
IMU Schedule B	28,121.95
French Mathematical Society	5,131.77
Mathematical Society of Japan	2,419.85
U.S. State Dept. (MUSA/MSISA)	3,500.00
Total income	39,173.57

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2002

Source	Amount (US$)
IMU FSU Support	5,000.00
IMU Schedule A	1,174.50
IMU Schedule B	25,000.00
U.S. State Dept. (MUSA/MSISA)	3,500.00
Total income	34,674.50

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2003

Source	Amount (US$)
IMU Schedule B	34,559.00
Mathematical Society of Japan	1,274.97
U.S. State Dept. (MUSA/MSISA)	3,500.00
Total income	39,333.97

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2004

Source	Amount (US$)
IMU Schedule A	6,100.00
IMU Schedule B	55,000.00
IMU/DCSG	10,000.00
Mathematical Society of Japan	2,767.45
Total income	73,867.45

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2005

Source	Amount (US$)
IMU Schedule A	5,776.00
IMU Schedule B	73,709.00
Mathematical Society of Japan	1,226.23
Total	80,711.23

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Report of

INTERNATIONAL COMMISSION ON
MATHEMATICAL INSTRUCTION (ICMI)

Activities in 2002-2005

Report prepared by Bernard R. Hodgson, Secretary General

1. Organisation

A new **Executive Committee** of the International Commission on Mathematical Instruction (ICMI) was elected at the General Assembly of the International Mathematical Union held in Shanghai (China) in August 2002 and has taken charge as of January 1, 2003. Among the members of the previous Executive Committee, three were elected for a second term: Hyman Bass as President, Michèle Artigue as Vice-President and Bernard R. Hodgson as Secretary-General. The incoming members of the 2003-2006 Executive Committee of ICMI are: Jill Adler as Vice-President and Carmen Batanero, Nikolai Dolbilin, Maria Falk de Losada, Peter L. Galbraith, Petar S. Kenderov and Frederick F.S. Leung as Members-at-Large. Due to a tie in the voting for Members-at-Large, the President of IMU proposed, and the General Assembly of IMU approved, that six Members-at-Large should be declared elected — this decision respects the possible number of EC members according to the new Terms of Reference of ICMI adopted in 2002, as these Terms allow for the cooptation of up to two additional Members-at-Large. The *ex officio* members of the new ICMI EC are John Ball (President of IMU) and Phillip Griffiths (Secretary of IMU), the latter for a second Term. The Executive Committee of IMU appointed in 2004 one of its members, Victor A. Vassiliev, to act as an IMU liaison with the ICMI EC. Considering the difficulty for the President and Secretary of IMU in regularly attending the ICMI EC meetings, such a connection between the Executive Committees of the two organisations is a highly welcome addition.

The Executive Committee had six **meetings** during the four years covered by this report. The 1999-2002 EC had its fourth and final meeting on July 16-19, 2002, at the Université de Paris 7. The 2003-2006 Executive Committee met for the first time on June 3-7, 2003, at Université Laval, Québec, and part of this meeting was devoted to a discussion on the structure and mission of ICMI and the type of contribution that each EC member could bring to the work of the Committee. The second and third meetings of this EC were held in 2004. The first of these two meetings took place on February 11-12, 2004, in Dortmund, Germany, on the occasion of the Study Conference for ICMI Study 14. The other meeting was held in Copenhagen, Denmark, during the ICME-10 congress: the EC then met prior to the congress on July 2-4, 2004 — with the participation of John Ball, President of IMU —, as well as on July 11, the closing day of ICME-10. Two meetings were held as well in 2005. The EC met on June 19-22, 2005, at the University of the Witwatersrand in Johannesburg, South Africa, just prior to the First Africa Regional Congress of ICMI. It also met on December 15-18, 2005, at the Indira Gandhi National Open University in New Delhi, India, at the invitation of IMU EC member Madabusi S. Raghunathan. A National Conference on Mathematics Education was held at the National Council of Educational Research and Training (NCERT), in New Delhi, in conjunction with the ICMI EC meeting.

The direct contacts between the Executive Committees of IMU and ICMI were more frequent during the period covered by this report. Besides the participation, mentioned above, of IMU President to the ICMI EC meeting of July 2004, the President and Secretary-General of ICMI were invited for part of the meetings of the IMU EC held in Paris on April 12-13, 2002, and in Rio de Janeiro on April 22, 2005. Moreover the ICMI President joined the IMU EC meeting on April 3, 2003, in Princeton. In addition to allowing the IMU EC members to be better informed about ICMI and its activities, these meetings were the occasion of discussing specific issues such as the difficult financial situation of ICMI, the elections of the ICMI EC or the needed updating of the Terms of reference of the Commission — the previous version of the Terms went back to 1986 and revised Terms of reference of ICMI were adopted by the IMU EC during its 2002 meeting. These meetings also allowed to examine concerns expressed by the IMU EC about the situation of students of mathematics at the university level and to identify a joint action of IMU and ICMI on this matter (see item 6 below).

Following the agreement made in 2000 with the IMU EC, the President and Secretary-General of ICMI were invited as *ex officio* observers to the **General Assembly** of IMU held in August 2002 in Shanghai. On the occasion of ICME-10, the General Assembly of ICMI met in Copenhagen at the Technical University of Denmark (DTU) on July 9, 2004, from 19:45 to 22:05.

Decisions made by IMU have had an impact on the **ICMI membership**. Following a resolution of the 2002 General Assembly of IMU, *Bosnia and Herzegovina* was admitted as a member of IMU as of January 1, 2003, and thus de facto as a member of ICMI. On the other hand, the status of the *Democratic People's Republic of Korea* was changed, as of January 1, 2003, to that of an observer, due to non-communication with IMU. Following a postal ballot held in August 2004, two countries that were already members of ICMI, *Indonesia* and *Pakistan*, have been admitted to IMU as of January 1, 2005. Consequently at the end of 2005, ICMI had 81 member countries, 67 of which are also members of IMU.

Of the 81 member countries of ICMI, 16 had in 2005 no appointed **Representative to ICMI**. About 8 to 10 collective e-mail messages are sent on average each year by the Secretary-General to the ICMI Representatives, some of these providing information on ICMI and its activities, and others asking for input from the Representatives. While it continues to be part of ICMI's general policy to encourage member states to establish Sub-Commissions of ICMI, no new ones were created during the period covered here, so that there are still fourteen such Sub-Commissions (*Australia, Belgium, Chile, Denmark, France, Germany, Japan, Republic of Korea, Mexico, New-Zealand, Spain, Sweden, UK* and *USA*).

The issue of **contact and communications with the ICMI member countries** has remained for a number of years a source of concerns for the ICMI Executive Committee. While in a majority of cases the links with the Adhering Organisations (to IMU, or directly to ICMI for the non-IMU members) and with the ICMI Representatives are very good, there are a few instances where these links are precarious. In this context it was decided by the Executive Committee in June 2003 to launch a process aiming at gathering information and reinforcing the links with the member countries. Each EC member has accepted to take responsibility for a few ICMI member countries to gain a better understanding of the organisation inside the country as regards ICMI matters.

The ICMI EC identified as a long term goal to **increase the membership** in ICMI. The total number of countries member of IMU (67) or even of ICMI (81) is still extremely low when compared to the number of member states of the United Nations — currently 191. While the criteria for admission to the IMU rest essentially on the scientific activity in the country (in terms of mathematical research), such should not be the case for ICMI. ICMI is dedicated to mathematics education at all levels, which is both a field of scholarship (research, in the preceding sense) as well as a vast domain of practice, involving professional communities of teachers, teachers educators, mathematicians and scientists, school administrators, curriculum developers, policy makers, etc. ICMI sees itself as representing this whole enterprise. Mathematics education research has a very important and influential presence in ICMI, but this kind of scholarship is strongly present only in a subset of the ICMI member countries. Every country, on the other hand, has some system and culture of mathematical education and as such is potentially eligible for participation in ICMI. In order to reflect the fact that mathematics education is a coordinated enterprise involving several professional communities, membership in ICMI should be implemented through identification, in each country, of an Adhering Organisation, a committee (or sub-commission) as well as a representative for ICMI that can credibly claim to speak for the aggregate of all of the relevant major professional communities and organisations vested in mathematics education in that country.

Related to the presence among ICMI members of non-IMU members is the question of possible **dues** that could be asked from those countries. IMU, which collects the funds it gives to ICMI mainly through the dues paid by its 67 members, has explicitly raised this question for consideration by ICMI. No decision has yet been made.

In response to the resolution adopted by the 2002 IMU General Assembly to make more transparent the whole **election procedures** for the various elected committees of IMU and to avoid the potential for conflicts of interest in the procedure of selection of slates, proposals for new rules for the ICMI election, including the appointment of the Nominating Committee, were drafted by the IMU EC and sent to the ICMI EC during 2003. Discussions on this issue were pursued in 2003 and 2004 and finalised during the meeting of the ICMI Executive Committee held just prior to ICME-10 (in the presence of IMU President). A major effect of this change is that the election of the ICMI EC will be in the hands of the ICMI GA, starting with the GA to be held in 2008 during ICME-11. Any future amendment to the proposed procedure will still be under the jurisdiction of the IMU GA.

It was decided that the new election process on which the Executive Committees of IMU and ICMI agreed would be used for the **2006 election**, but necessarily on an informal basis (pending approval of the proposed procedures and structures at the 2006 IMU General Assembly). Consequently an ICMI Nominating Committee was set up for the 2006 election, with a mandate to prepare the selection of the slate of candidates for the ICMI Executive Committee, but operating informally as an advisory body to the IMU Executive Committee. This Nominating Committee is composed of Mogens Niss (Chair), John Ball, Hyman Bass, Victor Vassiliev, Tomas Recio, Günter Törner and Lim-Teo Suat Khoh. In August 2005, a call for nomination of candidates for the 2007-2009 ICMI Executive Committee was made to the IMU Adhering Organisations and Committees for Mathematics as well as to the ICMI Representatives.

During 2004, the ICMI community was saddened by the decease on April 14 of **Miguel de Guzmán**, former President of ICMI (1991-1998). Also former Executive Committee members

Igor Sharygin (1999-2002), Hans-Georg Steiner (1975-1978) and Jacobus H. vant Lint (1987-1994) passed away in 2004. *In memoriam* testimonies were respectively published in the *ICMI Bulletin* No. 54, June 2004, pp. 70-81, and No. 55, December 2004, pp. 67-84.

2. ICMEs

The 10th International Congress on Mathematical Education, **ICME-10**, was held at the Technical University of Denmark (DTU) in Copenhagen, Denmark, from July 4 to 11, 2004. This congress was organised through a collaboration of neighbouring countries (the Nordic countries Denmark, Finland, Iceland, Norway, Sweden), a first in the life of ICMI. The congress ICME-10 was attended by 2324 participants from 93 different countries. There were also 389 accompanying persons or exhibitors. The International Program Committee, chaired by Mogens Niss, had proposed a rich and intensive scientific programme, some components of which — such as the Plenary Interview Session or the five so-called Survey Teams — were highly innovative and very well received. The infrastructure and logistic support offered by the organizers were of excellent quality. The tradition instigated at ICME-8 of imposing a "Solidarity Tax" on all registrations was repeated at ICME-10. It had been announced in the Second Announcement of the congress that an ICME-10 Solidarity Fund would be established to provide support to participants from non-affluent countries by setting aside 10% all the registrations fees. The organisers of ICME-10 finally distributed more than 11% of the registrations fees, thus allowing them to provide support to 175 participants coming from 55 different countries. The distribution of the money generated for the Fund was made by a Grants Committee, jointly appointed by the congress organisers and the ICMI Executive Committee, which worked autonomously and anonymously, as is customary, in order to minimize potential problems of pressure.

The ICMI EC had received, by the beginning of 2003, three proposals for hosting **ICME-11** in 2008: (in alphabetical order) from China, (Republic of) Korea and Mexico. Eventually China withdrew its bid, on the basis of the difficulty of finalising the formal proposal in the context of the SARS crisis. Site visits by members of ICMI Executive Committee were organised to Korea and Mexico in 2003, in order to allow the EC to appreciate the quality of the local infrastructure, the support the project was receiving in the country as well as the expertise of the organising team. The ICMI Executive Committee finally decided, in December 2003, to accept the invitation from Mexico to host ICME-11 in 2008. The congress will take place at the Centro Internacional de Negocios (CINTERMEX) in Monterrey on July 6-13, 2008. The composition of the ICME-11 International Program Committee was finalised early in 2005 and is announced in the June 2005, No. 56, issue of the *ICMI Bulletin*. The IPC is chaired by Marcela Santillán, Rectora at the Universidad Pedagógica Nacional, and had its first meeting in Mexico City on October 29 to November 1st, 2005. One member of the IPC was denied entrance to Mexico on that occasion, and the President of ICMI wrote to the Mexican Secretary of State to ensure that such a dismissal would not happen again in connection with ICME-11.

An official call for bids to host **ICME-12** in 2012 was made by the Secretary-General of ICMI during the closing session of ICME-10. This call also appears in the *ICMI Bulletin* (No. 55, December 2004, pp. 11-12). Three countries have responded by the end of 2005 to the invitation of informing the ICMI Executive Committee of their intent to submit by November 1st, 2006, an official bid to host ICME-12.

The book of Proceedings of **ICME-9** has appeared in 2004. The data for the book are:
> Hiroshi Fujita, Yoshihiko Hashimoto, Bernard R. Hodgson, Peng Yee Lee, Stephen Lerman and Toshio Sawada, editors, *Proceedings of the Ninth International Congress on Mathematical Education*. Kluwer Academic Publishers, 2004. ISBN (HB) 1-4020-8093-X; ISBN (PB) 1-4020-7902-8; ISBN (e-book) 1-4020-7910-9.

The book is accompanied by a CD. However a problem occurred in the production of the CD. It is stated in the Preface of the book (p. xii) that "the CD part of these Proceedings contains, in addition to files for the whole content of the book part, vivid scenes of the ceremonies and the IRT, full texts of regular lectures if available, and some scientific animation etc." As it turns out the "whole content of the book part" is absent from the accompanying CD, as are the "full texts of the regular lectures if available". The congress organizers have decided to issue a revised and complete version of the CD to be sent to all ICME-9 participants.

3. ICMI Studies

The mounting and conducting of so-called ICMI Studies on crucial themes and issues in mathematics education were continued in the years 2002-2005. The resulting ICMI Study volumes are published in the "New ICMI Study Series" (**NISS**) appearing under the general editorship of the President and the Secretary-General of ICMI. As a result of the merger in 2004 of Kluwer Academic Publishers with BertelsmannSpringer, the NISS Volumes now appear under the label of Springer.

At its June 2003 meeting, the ICMI EC launched a reflection on the ICMI Study programme and its accomplishments since its inception in the mid 1980s. While the ICMI Studies appear in general to be successful and well received by the community, it may be useful to better understand their actual contribution to the growth of the field of mathematics education and its knowledge base, and also to consider the Study programme in a context where ICMI aims at being closer to the needs of developing countries. The Studies being concretely reflected in the NISS Study volumes (appearing in the NISS series), the ICMI EC has invited Stephen Lerman to review and analyse the research papers published in the Study volumes. The report, received in 2005, suggests some slight modifications in the overall organisation of the Study programme and the ICMI EC is reflecting on the follow-up actions to be taken.

During the period 2002-2005, one new volume (for Study 12) has appeared in the New ICMI Study Series and three Study conferences (for Studies 13, 14 and 15) have taken place. Reports on three Studies (12, 13 and 14) were presented during special ICMI Studies sessions at ICME-10, in Copenhagen, July 2004.

- **ICMI Study 12**: *The Future of the Teaching and Learning of Algebra*
  The Study Conference had been held at the University of Melbourne, Australia, on December 9-14, 2001, and attended by 110 participants from 26 countries. The ICMI Study volume has appeared in the New ICMI Study Series in 2004; eds: Kaye Stacey, Helen Chick and Margaret Kendal. (NISS 8)
- **ICMI Study 13**: *Mathematics Education in Different Cultural Traditions: A Comparative Study of East-Asia and the West*
  The Study Conference was held at the University of Hong Kong on October 20-25, 2002, and attended by 63 participants from 18 countries. The NISS volume is currently in preparation under the editorship of Klaus-Dieter Graf, Frederick K.S. Leung and Francis Lopez-Real and is expected to appear early in 2006. (NISS 9)

- **ICMI Study 14**: *Applications and Modelling in Mathematics Education*
  The Discussion Document for this Study was published in various journals and newsletters, including the *ICMI Bulletin* No. 51, December 2002, pp. 23-42, in *L'Enseignement Mathématique* 49 (2003) pp. 205-214 and in *Educational Studies in Mathematics* 51 (2002) pp. 149-171. The Study Conference was held at the University of Dortmund, Germany, on February 13-17, 2004, and was attended by 90 participants coming from 26 different countries. The NISS volume is currently in preparation under the editorship of Werner Blum, Peter Galbraith, Hans-Wolfgang Hehn and Mogens Niss and is expected to appear by the end of 2006. (NISS 10)
- **ICMI Study 15**: *The Professional Education and Development of Teachers of Mathematics*
  The Discussion Document for this Study was published in various journals and newsletters, including the *ICMI Bulletin* No. 54, June 2004, pp. 12-23, in *L'Enseignement Mathématique* 50 (2004) pp. 191-200 and in *Educational Studies in Mathematics* 56 (2004) pp. 359-372. The Study Conference was held in Águas de Lindóia, São Paulo, Brazil, on May 15-21, 2005, and was attended by 157 participants (including 94 women) from 33 different countries. The NISS volume is currently in preparation under the editorship of Deborah Ball and Ruhama Even. (NISS 11)

Four new ICMI Studies are now underway.
- **ICMI Study 16**: *Challenging mathematics in and beyond the classroom*
  The two co-chairs of the International Programme Committee are Peter J. Taylor and Edward J. Barbeau. The IPC met in Modena, Italy, on November 28 to December 1, 2003. The Discussion Document for this Study appears in the *ICMI Bulletin* No. 55, December 2004, pp. 32-46, in *L'Enseignement Mathématique* 51 (2005) pp. 165-176 and in *Educational Studies in Mathematics* 60 (2005) pp. 125-139. The Study Conference will take place at the Norwegian University of Science and Technology, in Trondheim, Norway, on June 27 to July 3, 2006.
- **ICMI Study 17**: *Digital Technologies and Mathematics Teaching and Learning: Rethinking the Terrain*
  The two co-chairs of the International Programme Committee are Celia Hoyles and Jean-Baptiste Lagrange. The IPC met met on April 26-29, 2004, in London, UK. The Discussion Document for this Study appears in the *ICMI Bulletin* No. 57, December 2005 and in *L'Enseignement Mathématique* 51 (2005) pp. 351-363. A short announcement was published in *Educational Studies in Mathematics* 60 (2005) pp. 267-268. The Study Conference will take place at Hanoi University of Technology, Viet Nam, on December 3-8, 2006.
- **ICMI Study 18**: *Statistics Education in School Mathematics: Challenges for Teaching and Teacher Education*
  A new ICMI Study was launched in 2005 on the theme of statistics and is organised jointly with the International Association for Statistical Education (IASE). The International Programme Committee is chaired by Carmen Batanero and its composition is announced in the December 2005 issue of the *ICMI Bulletin*. The Study Conference is planned to take place in July 2008 in Monterrey, México, as a satellite conference to ICME-11.
- **ICMI Study 19**: *The role of mathematical reasoning and proving in mathematics education*

The ICMI Executive Committee decided at its December 2005 meeting that the 19th ICMI Study will be devoted to the role of proofs and proving in mathematics education. The IPC, to be chaired by Gila Hanna and Michael de Villiers, is now under appointment.

Plans for further studies, on the average one per year without an ICME congress, are under development. Examples of potential topics considered in recent years by the ICMI EC are:

Integration of mathematics and science education at the primary school
Linking undergraduate disciplines (for example mathematics & biology)
Innovative teaching in constrained conditions
History of mathematics education
Mathematics for and from the workplace

4. ICMI Regional Conferences

In spite of the international character of its nature and its role, ICMI regularly sponsors regional activities related to mathematics education, most of the times in less affluent parts of the world. Since 2002, the following six Regional Conferences were sponsored (financially, morally or both) by ICMI.

- The **ICMI-EARCOME 2** conference (Second ICMI East Asia Regional Conference on Mathematics Education) took place in Singapore on May 28-31, 2002. There were over 600 participants with 130 foreign participants coming from 18 different countries. A report on the Conference is published in the December 2002 issue, No. 51, of the *ICMI Bulletin*, p. 74.

- The Latin-American School on History and Epistemology of Mathematics, LASHEM (Escuela Latinoamericana de Historia y Epistemología de las Matemáticas, **ELHEM**) has organised the first LASHEM/ELHEM meeting in Cali, Colombia, on November 5-8, 2002. The main topic of the meeting was *Birth, Development, and Transmission of Mathematical Analysis*. A report appears in the June 2003 issue, No. 52, of the *ICMI Bulletin*.

- The 11th Inter-American Conference on Mathematics Education, IACME-11 (XI Conferencia Inter-Americana de Educación Matemática, **XI CIAEM**), was held at the Universidade Regional de Blumenau — FURB, Blumenau, SC, Brazil, on July 13-17, 2003. The conference was organised under the theme *Mathematical Education for the 21st Century: Challenges and Perspectives* by the Comité Inter-Americano de Educación Matemática (CIAEM/IACME) and was dedicated to the memory of Luis Antonio Santaló. The XI CIAEM was attended by some 600 participants from 18 countries in the Americas and Europe. A report appears in the December 2003 issue, No. 53, of the *ICMI Bulletin*.

- Following the success of EM 2000, a second conference was granted the status of an ICMI Regional Conference where the "region" is defined in linguistic, rather than geographical, terms. The symposium **EMF 2003** (Espace Mathématique Francophone 2003) was held in Tozeur, Tunisia, on December 19-23, 2003, and gathered 264 participants from twelve countries of the Francophone community, especially from Maghreb and Sub-Saharan Africa. This conference was financially supported by ICMI through a grant of 3 000 USD. A report on the conference appears in the *ICMI Bulletin* 55 (December 2004), pp. 58-62.

- The **First Africa Regional Congress of the International Commission on Mathematical Instruction** was held at the University of the Witwatersrand in Johannesburg, South Africa, on June 22-25, 2005. The conference was attended by some 180 participants from 23 countries, including in particular the following fourteen African countries: Botswana, Burkina-Faso, Kenya, Lesotho, Malawi, Mozambique, Namibia, Nigeria, South Africa, Swaziland, Tunisia, Uganda, Zambia and Zimbabwe. The conference was financially

supported by ICMI (3 000 USD) and by IMU Commission on Development and Exchanges (CDE). The latter grant of 10 000 USD allowed to provide support for regional delegates as well as support for two participants from Francophone Africa (Tunisia) and India. A report on the conference appears in the *ICMI Bulletin* 57 (December 2005).

- **ICMI-EARCOME 3** (Third ICMI East Asia Regional Conference on Mathematics Education) was held in China from August 7 to 12, 2005. Three higher teacher education institutes were co-organizers: East China Normal University in Shanghai, Nanjing Normal University in Nanjing City, and Hangzhou Teachers college in Hangzhou City. The conference took place during the first four days on the campus of East China Normal University, in Shanghai. Participants then divided into two groups moving to Nanjing or Hangzhou respectively for the last two days' sessions. There were over 300 participants, with 152 coming from 15 foreign countries of East Asia and around the world. A report on the conference appears in the *ICMI Bulletin* 57 (December 2005).

Three forthcoming conferences have been granted by the ICMI EC the status of an ICMI Regional Conference:

- **EMF 2006** (Espace mathématique francophone 2006), to be held in Sherbrooke, Canada, on May 27-31, 2006 — the theme of EMF 2006 is *The teaching of mathematics facing the challenges of school and communities*
- **Second ICMI Africa Regional Congress**, to take place in Nairobi, Kenya, on May 23-27, 2007, on the theme *Embracing Innovative Responses to Challenges in Mathematics Instruction*
- **ICMI-EARCOME 4** (Fourth ICMI East Asia Regional Conference on Mathematics Education), which will take place in Penang, Malaysia, on June 18-22, 2007, the theme of the conference being *Meeting the Challenges of Developing a Quality Mathematics Education Culture.*

The ICMI EC is represented on the International Programme Committees of these conferences respectively by Vice-President Michèle Artigue and the Secretary-General (EMF 2006), Vice-President Jill Adler (Second Africa Regional Congress) and EC member Frederick Leung (ICMI-EARCOME 4).

5. Other Activities

A symposium has taken place in October 2000 at the University of Geneva, organised jointly by ICMI and the University of Geneva, to celebrate the **centennial of the journal** ***L'Enseignement Mathématique***, the official organ of ICMI. The proceedings of this symposium were published in 2003:

> *One Hundred Years of* L'Enseignement Mathématique*: Moments of Mathematics Education in the Twentieth Century.*
> Proceedings of the EM-ICMI Symposium (Geneva, 20-22 October 2000)
> Edited by D. Coray, F. Furinghetti, H. Gispert, B.R. Hodgson, G. Schubring
> (ISBN 2-940264-06-6) softbound; 336 pages, 2003; 63 CHF
> (L'Enseignement Mathématique, Monograph no. 39)

The celebration of the **centennial of ICMI**, in 2008, is now under preparation. As the Commission was established in Italy, during the 1908 Congress of Mathematicians held in Rome, the Executive Committee is grateful that the Italian mathematicians and mathematics educators communities have accepted the task of hosting the symposium to be organised on this occasion. The International Programme Committee in charge of this symposium is

chaired by Ferdinando Arzarello and the composition of the IPC is announced in the June 2005, No. 56, issue of the *ICMI Bulletin*. The symposium will take place on March 5-8, 2005, at the Accademia dei Lincei in Rome.

ICMI was involved recently in a set of activities having to do with science and mathematics education through UNESCO or the International Council for Science (ICSU), the umbrella organisation to which ICMI belongs through IMU.

ICMI has co-sponsored since 2001 international workshops organised in Utah, USA, in the context of the annual **Park City Mathematics Institute (PCMI)** hosted by the Institute for Advanced Study (Princeton, USA). This program has engaged each year mathematics educators from a diverse set of countries in a stimulating five-day discussion about common issues and concerns in the teaching and learning of mathematics, with a particular focus on teacher preparation and development. The 2002 and 2003 workshops were respectively entitled "An International Perspective on the Education of K-12 Mathematics Teachers" and "Mathematics Education Around the World: Bridging Policy and Practice". These workshops have received a support of 10 000 USD from ICSU Grant Programme (years 2002 and 2003). The 2004 session took place during ICME-10, where many participants from the first three years shared with the larger mathematics education community the outcome of the first seminars and considered with this larger group how to continue the dialogue at future Institutes. PCMI has also supported the participation to the ICMI Study 15 conference on teacher education of two persons involved in the PCMI International Seminar (from Cameroon and Iran).

ICMI was invited to join with organisers of the PCMI International Seminar (Gail Burrill, Herb Clemens, Joan Ferrini-Mundy and Johnny Lott) for a meeting with **World Bank** officials. This meting took place in Washington in September 2004 and ICMI was represented by the Secretary-General. The purpose of this meeting was to examine how the PCMI International Seminar model could be used in approaching issues of mathematics education in developing countries. Interest was expressed by the World Bank about the preparation of a "policy brief" on the education of teachers which could be based on research done for instance in the countries having taken part in the PCMI International Seminar and could also encourage other countries to be involved in research of their own. The World Bank also expressed interest for the ICMI networking capacity with the leadership in mathematics education around the world, as it is connected to scientific societies and individuals in academic institutions, and is thus complementary to the links that the Bank has with governments and ministries of education. In regards to possible actions, recent discussion with PCMI and the World Bank has centred on two projects of joint workshops for training mathematicians and mathematics teachers. One concerns Cambodia and neighbouring countries, in partnership with CIMPA (Centre International de Mathématiques Pures et Appliquées), and the other Africa, in partnership with AMMSI (African Mathematics Millennium Science Initiative). In each case, ICMI is involved in the mathematics teacher education component.

ICMI has been invited by the Director of Education at **OECD** (Organisation for Economic Co-operation and Development) to participate in a Forum on education and social cohesion organised by OECD on the occasion of a meeting of Education Ministers held in Dublin on March 18-19, 2004. This meeting, where ICMI was represented by the Secretary-General, was a first opportunity for a direct link of ICMI with the OECD Directorate for Education. These

contacts were pursued later in 2004 when the Secretary-General and Vice-President Michèle Artigue met at OECD headquarters in Paris with more people of the OECD Directorate for Education. Interest was then expressed by OECD for the "Pipeline Project" (see item 6 below), as well as for the themes of teacher education and development (the topic of ICMI Study 15) and mathematics for the workplace (a possible topic for a future ICMI Study).

ICMI has collaborated in 2002 with **ICSU Committee on Capacity Building in Science** (CCBS) to the organisation of an International Conference on Science and Mathematics Education held on September 21-23, 2002, in Rio de Janeiro on the occasion of ICSU General Assembly. The Commission was represented on the programme committee by the Secretary-General. Contributions related to mathematics education in the various panels on the programme of the Conference were made by Michèle Artigue (France), Ferdinando Arzarello (Italy), Deborah Ball (USA), Hyman Bass (USA), Maria Salett Biembengut (Brazil), Suely Druck (Brazil), Bernard R. Hodgson (Canada) and Gilah Leder (Australia).

ICMI President represented IMU at a meeting of **ICSU scientific unions** organised in February 2002, at the initiative of UNESCO, to discuss strategies for developing education in basic sciences and mathematics and to establish collaboration between disciplines. The ICSU unions represented at the meeting, besides IMU, were IUPAC (International Union of Pure and Applied Chemistry), IUBMB (International Union of Biochemistry and Molecular Biology), IUBS (International Union of Biological Sciences) and IUPAP (International Union of Pure and Applied Physics), through its International Commission on Physics Education.

In addition to its participation to the inter-union meeting on science and mathematics education just mentioned, ICMI has been working on different ways to intensify its contacts with **UNESCO** which were reinitiated in 2001, after an interruption of almost a decade. On the occasion of its annual 2002 meeting in Paris, the ICMI Executive Committee met with Minella C. Alarcon, programme specialist for physics and mathematics in the Division of Basic and Engineering Sciences at UNESCO main office in Paris. This meeting was the occasion for identifying various possibilities of collaboration between ICMI and UNESCO. In November 2002, the Secretary-General and Vice-President Michèle Artigue met with Maciej Nalecz, Director of UNESCO Division of Basic and Engineering Sciences, for further discussion of collaborative activities between ICMI and UNESCO.

In particular ICMI has agreed to sponsor, jointly with UNESCO and other bodies, the development of an international mathematical exhibition entitled "**Experiencing mathematics**", whose aim is to improve the image of mathematics among the general public. This exhibition results from the work of colleagues in France and Japan and ICMI supports it substantially, both in its organisation (Vice-President Michèle Artigue represents ICMI on the core committee in charge of the exhibition) and financially (through a grant of 10 000 USD). IMU is also supporting the exhibition with a grant of 1000 USD. The exhibition was officially launched in Copenhagen in July 2004 on the occasion of ICME-10, and was later shown in October 2004 in Orléans during a congress of a French association of mathematics teachers (APMEP). But its first appearance accessible to the public at large, and in particular to pupils and students, was in December 2004 in Paris. It was then on display at the Maison des Métallos, in partnership with the Mairie of the Cité de Paris, from December 9 to 31 and was visited by more than 4000 people, mainly pupils. Two sets of the exhibit are now available and are being circulated internationally under UNESCO and ICMI auspices. The

2005 programme of travel included China (Beijing), Greece (Athens), Mozambique (Maputo) and South Africa (Johannesburg, Kimberley, Cape Town, Potchefstroom, Richards Bay). The African exhibition project was supported through a grant of 6 000 USD from IMU Developing Countries Strategy Group (DCSG) which covered the transportation to and from Africa. Additional funds needed to be raised for the circulation of the exhibit inside Africa. The exhibition is devised so to evolve according to the local needs/culture/expertise, for instance by organising a regional and coherent pedagogical design around the exhibition. The Africa exhibits thus incorporated ingredients of ethnomathematics. The current plans for 2006 includes Namibia (12 towns, including Windhoek), Thailand (Bangkok), France (Lyon) as well as Spain (Madrid), where it will be shown during and after the International Congress of Mathematicians in the Centro cultural Conde Duque.

Following a recommendation of the Ad Hoc Sub-Committee on "Supporting Mathematics in Developing Countries", appointed by IMU in 2003, the IMU Executive Committee established in early 2004 the **Developing Countries Strategy Group (DCSG)** with the charge of increasing, guiding and coordinating IMU's activities in support of mathematics and mathematics education in the developing world. ICMI is represented in the DCSG by Vice-President Michèle Artigue. The first meeting of the DCSG was held at the Abdus Salam International Centre for Theoretical Physics (ICTP) in Trieste, Italy, on 16-17 October 2004. Among the actions considered by the DCSG is the creation of a web-based Clearinghouse for African Mathematics, which will be housed at ICTP. ICMI is contributing to this project by collecting information about activities linked to mathematics education in Africa, in particular as regards existing associations, projects, master and doctorate programmes in education, and mathematics competitions. The DCSG also approved a grant to support the presence in Africa of the international mathematics exhibition "Experiencing Mathematics". This collaboration of ICMI with IMU on specific actions in developing countries is quite timely from ICMI perspective, as the need for more articulated outreach actions by ICMI in developing countries has been considered a high priority for a long time, among others through the ICMI Solidarity Programme.

On the occasion of the 100th issue of the journal *The Mathematical Education*, one of the journals published by the Korea Society of Mathematics Education, the President and Secretary-General of ICMI prepared a message of congratulation that has appeared in Vol. 42, No. 2, May 2003 (pp. 81-83) of the journal. The President and Secretary-General were also pleased to receive an invitation from the Editor of the *Notices of the American Mathematical Society* to contribute, on the occasion of ICME-10, a paper providing basic information about the Commission — its aims, history, activities, etc. —, keeping in mind the usual readership of the *Notices*. The resulting article, "The International Commission on Mathematical Instruction — What? Why? For Whom?" appeared in the *Notices of the AMS* vol. 51 (6) (June/July 2004) pp. 639-644, and was reproduced with permission in the *ICMI Bulletin* No. 55 (December 2004), pp. 23-31.

There is a long tradition of strong relationship between ICMI and the **Comité Inter-Americano de Educación Matemática** – Inter-American Committee on Mathematics Education (CIAEM/IACME). These links, which had somewhat faded away over the years, were reinvigorated after a meeting of the President of CIAEM, Carlos Vasco, with the ICMI EC on the occasion of ICME-9. As a result a closer collaboration between the two groups has been established, in particular, in the shorter term, as regards the contribution of ICMI to the

XI-CIAME congress (XI Conferencia Inter-Americana de Educación Matemática) held in Blumenau, Brazil, in July 2003. ICMI was represented on the International Advisory Committee of this conference by Vice-President Michèle Artigue and the Secretary-General. Moreover Artigue gave one of the plenary lectures at the congress. Further contacts with CIAEM were made on the occasion of the Study Conference for ICMI Study 14, held in Dortmund, Germany, in February 2004, when the ICMI EC met with Maria Salett Biembengut (Brazil), the new President of CIAEM and also a member of the International Programme Committee for Study 14.

6. IMU Concerns about Mathematics Students

Declining numbers of students are choosing to pursue mathematics study at the university level, and many of those who do, even with some initial enthusiasm for mathematics, are discouraged by their early university mathematics instruction and so turn away from it. The resulting decline in the numbers and quality of students pursuing university mathematics studies is a worldwide trend, now for more than a decade, and it threatens the vigour and growth of the mathematical sciences, on which contemporary societies and economies fundamentally depend. The professional mathematics community is not alone in being seriously concerned about this, and this has led the IMU EC to call for a gathering of data to document this trend internationally, and analyze its causes. The IMU has enlisted ICMI to partner in this undertaking, and take responsibility for its design.

This trend draws attention to another, distinct but importantly related, problem, which is the inadequate supply of mathematically qualified students choosing to become mathematics teachers in the schools. Thus, gathering data to understand these two parallel phenomena has become the agenda of a joint project of the IMU and ICMI, called the "**Pipeline Project**", which will lead to a report that should be of wide interest, in a number of countries, to mathematics departments, schools of education, government policy and funding agencies, and others. This project was initiated at the July 2004 ICMI EC to which IMU President John Ball participated. A task group, chaired by ICMI EC member Frederick Leung, has been appointed with the mandate to define a detailed work plan for the project and frame it as a proposal for funding to relevant funding agencies. The Pipeline Project will be organised in collaboration with some major professional organisations.

7. ICMI-Related Activities at ICM-2002 and 2006

As agreed with IMU when ICMI President and Secretary-General met with its EC in May 2000 (see the report in the *ICMI Bulletin* No. 50, June 2001, pp. 15-17), the ICMI EC has been involved in the preparation of the program of Section 18, entitled *Mathematics Education and Popularisation of Mathematics*, at the **International Congress of Mathematicians** held in Beijing in August 2002. Three main lectures were given in that Section: by Jean-Luc Dorier (France) on "Teaching linear algebra at university"; by Vagn Lundsgaard Hansen (Denmark) on "Popularising mathematics: from eight to infinity"; and by Shutie Xiao (China) on "Reforms of university mathematics education for non-mathematical specialties". Moreover two panel sessions were organised. The first discussed the question of international comparisons in mathematics education, with presentations by Gabriele Kaiser (Germany), moderator, Frederick Koon-shing Leung (Hong Kong), Thomas A. Romberg (USA) and Ivan Yaschenko (Russia). The second panel was on the teaching of proof and involved Hans Niels Jahnke (Germany), moderator, Deborah Ball (USA), Celia Hoyles (UK) and Nitsa Movshovitz-Hadar (Israel).

Similarly, in preparation for the 2006 International Congress of Mathematicians to be held in Madrid, the President of ICMI was contacted in 2003 by the Chair of the International Programme Committee for ICM-2006 for advice on the composition of the Selection Panel of the section on *Mathematics Education and Popularisation of Mathematics*.

8. ICMI Affiliated Study Groups

A new Study Group has recently been accepted by ICMI for affiliation with the Commission. In July 2003, the Executive Committee of ICMI approved the request presented by the International Community of Teachers of Mathematical Modelling and Applications (ICTMA) to become an Affiliated Study Group of ICMI. The group will be known as *The International Study Group for Mathematical Modelling and Applications* and will be designated under the acronym **ICTMA**, which has been in use for a long time among members of the international community that support its activities. Information about ICTMA and its activities can be found on the website http://www.infj.ulst.ac.uk/ictma/. ICTMA is already close to activities of ICMI, as some of its members were involved in the 14th ICMI Study on "Applications and Modelling in Mathematics Education".

ICTMA thus becomes the 5th Affiliated Study Group of ICMI, the four previous ones being (in the chronological order of their affiliation to ICMI) **HPM** (*The International Study Group on the Relations Between the History and Pedagogy of Mathematics*) and **PME** (*The International Group for the Psychology of Mathematics Education*) — 1976, **IOWME** (*The International Organization of Women and Mathematics Education*) — 1987, and **WFNMC** (*The World Federation of National Mathematics Competitions*) — 1994. The quadrennial reports of the Affiliated Study Groups have appeared in the *ICMI Bulletin* No. 54, June 2004, pp. 53-69, and updated information regularly appears in the *Bulletin*.

On the occasion of ICME-10, the President and Secretary-General of ICMI were invited to participate in the ceremony of the **Paul Erdös Awards**. These awards were established by the WFNMC to recognise contributions of mathematicians which have played a significant role in the development of mathematical challenges and which have been a stimulus for the enrichment of mathematics learning. In 2004, the recipients were Warren Atkins (Australia), André Deledicq (France) and Patricia Fauring (Argentina), and the awards were presented by ICMI President Hyman Bass. The 2002 Paul Erdös Awards recipients were Bogoljub Marinković (Serbia and Montenegro), Harold Braun Reiter (USA) and Wen-Hsien Sun (China/Taiwan).

9. The ICMI Solidarity Program

In 1992 ICMI established a **Solidarity Program in Mathematics Education**. The overall objective of the Solidarity Program is to increase, in a variety of ways, the commitment and involvement of mathematics educators around the world in order to improve the situation of mathematics education, in particular in those parts of the world where the economic and socio-political contexts do not permit adequate and autonomous development. This initiative thus aims at providing means which, together with institutional or other help obtained from various sources, may support concrete initiatives and activities so to foster solidarity in mathematics education between developed and less developed countries. Particular emphasis is placed on projects that enable the activation of a self-sustainable infra-structure within mathematics education in the region, country, or province at issue.

Already in 1999 the ICMI Executive Committee set up an ad hoc committee to review the functioning and the impact of the Solidarity Fund, after its eight years of existence, and to bring recommendations to the EC concerning its orientation and development. Unfortunately this committee was not in a position to complete its task. A new **Ad Hoc Committee** has been appointed in 2003. The Chair of this Committee, Alan Bishop (Australia), is playing in this connection the role of an ICMI Commissioner with a responsibility for solidarity and equity. A preliminary report of the Ad Hoc Committee was received by the EC in June 2004 and presented by the Chair of the Committee at the General Assembly of ICMI held during ICME-10. The report is proposing a series of possible directions that the ICMI Executive Committee is examining. Peter Galbraith, member of the EC, is responsible for the follow up on this dossier.

10. The ICMI Awards and ICMI Logo

ICMI has announced in 2001 its decision of establishing two **ICMI Awards in mathematics education research**, one recognising a major program of research on mathematics education during the past ten years (the *Hans Freudenthal Award*), and the other for life-time achievement in mathematics education research (the *Felix Klein Award*). Michèle Artigue is currently chairing the ICMI Award Committee, responsible for selecting the recipients of the Awards.

The first ICMI Awards, for the year 2003, were given to Guy Brousseau for the 2003 Felix Klein Award, and Celia Hoyles for the 2003 Hans Freudenthal Award. The decision of the Award Committee was announced in a press release issued on April 4, 2004 (see *ICMI Bulletin* No. 54, June 2004, pp. 7-11). These awards were presented at the opening ceremony of ICME-10 and lectures by each of the awardees were on the programme of ICME-10.

A call for suggestions for the 2005 ICMI Awards has been launched by the Award Committee and disseminated among the mathematics education community though various channels (ICMI Representatives, Affiliated Study Groups, national and international journals and associations). At the end of 2005, the ICMI Awards Committee was completing its review task so that the announcement of the Awards could be made early in 2006.

As a sign of recognition, each recipient of the ICMI Awards is given a certificate and a medal. The medals have been designed and produced by students of École Boulle, in Paris, while the certificates were designed by students of the Studio École of the School of visual arts of Université Laval, in Québec. More information on these tangible tokens accompanying the awards can be found in the *ICMI Bulletin* No. 55, December 2004, pp. 14-15.

Both the medals and the certificate accompanying the ICMI Awards are adorned with the recently adopted **ICMI logo**. The choice of the logo was made by the ICMI Executive Committee at its February 2004 meeting and resulted from a review of more than 35 proposals received. The logo selected was designed by students of the Studio École of the School of visual arts of Université Laval, in Québec. More information on the ICMI logo appears in the *ICMI Bulletin* No. 55, December 2004, pp. 16-17. (The cover of that issue of the *Bulletin* is the first to incorporate the newly adopted ICMI logo.)

11. Information and Communication

Information about ICMI and its activities is generally accessible through the ***ICMI Bulletin*** and the ICMI website (*www.mathunion.org/ICMI/*), both under the editorship of the Secretary-

General of ICMI. The publication of the *Bulletin* underwent a temporary suspension after issue No. 50 (June 2001), the next appearance being issue No. 51 (December 2002). Moreover in the years 2003 and 2005, the publication of the *Bulletin* has experienced delays. Direct access to the *ICMI Bulletin* (starting with issue No. 39, December 1995) can be found on the ICMI website.

Since the inception of the Commission in 1908, the official organ of ICMI has been the journal ***L'Enseignement Mathématique***, established in 1899. During the recent years, the following ICMI-related information has appeared in *L'Enseignement Mathématique*:
- Call for suggestions for the 2003 ICMI Awards, vol. 48 (2002), pp. 377-378.
- Discussion Document for ICMI Study 14, vol. 49 (2003), pp. 205-214.
- Announcement of the recipients of the 2003 ICMI Awards, vol. 50 (2004), pp. 183-186.
- Information on the 2003-2006 Executive Committee and on the new Terms of Reference of ICMI adopted in 2002, vol. 50 (2004), pp. 187-190.
- Discussion Document for ICMI Study 15, vol. 50 (2004), pp. 191-200.
- Discussion Document for ICMI Study 16, vol. 51 (2005), pp. 165-176.
- Discussion Document for ICMI Study 17, vol. 51 (2005), pp. 351-363.
- Reports on ICMI Study 10, vol. 51 (2005), pp. 365-372.

The ICMI EC has established contacts in 2002 with the IMU Committee on Electronic Information and Communication (**CEIC**) as regards a possible collaboration of ICMI to this project. Additional contacts took place during the 2004 EC meeting in Copenhagen. This is particularly timely as ICMI is considering a much wider use of communication technology such as the internet to disseminate its work and increase its availability.

The ICMI EC has started in 2003 a project of renewing its **website** (*www.mathunion.org/ICMI/*) and making a much greater use of it for contacts with the international mathematics education community. An agreement was made in 2005 with the Studio École of the School of visual arts of Université Laval for the design and implementation of a new website for ICMI.

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12 May 2006

<center>Report of</center>

(JOINT) INTERNATIONAL COMMISSION ON
THE HISTORY OF MATHEMATICS (ICHM)

<center>**Activities in 2002-2006**</center>

<center>**Report prepared by Karen Hunger Parshall (Chair) and Elena Ausejo (Secretary)**</center>

From 2002 through 2006, the International Commission for the History of Mathematics (ICHM) has continued to pursue its dual aims of encouraging the study of the history of mathematics and of promoting a high level of historically and mathematically sophisticated scholarship in the field internationally. It has done so in the following ways:

Meetings of the Executive Committee (EC) of the ICHM:

Beginning in 2002, the EC adopted a new meeting policy. It now meets at least four times yearly via e-mail to discuss matters of interest to the international history of mathematics community. It has just had its second e-meeting of 2006. Among the business discussed and the issues considered were: (in 2002) discussion of rules of governance as well as the issue of how to increase and encourage EC co-sponsorship of symposia and special sessions internationally; (in 2003) the adoption, for the first time, of a number of rules of governance and a study of the history of mathematics on the Web (for the report of the subcommittee formed for this purpose, see the ICHM website at the address given in the "Projects" section below); (in 2004) the broadening of the international representation on the EC (which resulted in a two-person increase of the EC membership) and the formation of a subcommittee to select the 2005 May Medalist; (in 2005) discussion of national ICHM representatives, the selection of new EC-members, the selection and awarding of the fifth Kenneth O. May Medalist, and the organization of ICHM-sponsored activities at the International Congress for the History of Science in Beijing and elsewhere; and (thus far in 2006) discussion and coordination of a wide variety of ICHM co-sponsored events internationally for the Euler tercentennial in 2007.

Conferences /Symposia/ Congresses:

From 2002 to 2006, the ICHM contributed to, organized, or co-sponsored numerous conferences, symposia, and congresses internationally: Special Sessions at the annual joint meetings of the American Mathematical Society and Mathematical Association of America (United States) (2002, 2003, 2004, 2005, 2006); "International Symposium on the History of Chinese Mathematics" (in connection with the International Congress of Mathematicians) (China) (2002); "Wallis Tercentenary Meeting" (United Kingdom) (2003); a Special Session in Honor of the Retirement of Ivor Grattan-Guinness entitled "The History of Nineteenth-Century Mathematics" at the joint meeting of the British Society for the History of Mathematics and the Canadian Society for History and Philosophy of Mathematics (United

Kingdom) (2004); "The Henk Bos Valedictory Symposium" held at Utrecht University in honor of the retirement of Henk Bos (June 2005); and three sessions—"The Ten Classics of Ancient Chinese Mathematics" (organized by Joseph Dauben (United States), GUO Shuchun (China), and Alexei Volkov (Canada), "Along the Silk Road" (organized by LI Wenlin (China), YANO Michio (Japan), QU Anjing (China), and Benno van Dalen (The Netherlands/Germany), and "Multicultural Transmission of Mathematical Knowledge" (organized by SASAKI Chikara (Japan), Roshdi Rashed (France), Karine Chemla (France), and FENG Lisheng (China)—at the International Congress for the History of Science held in Beijing, China (July 2005). Full reports on all of these conferences (except for the 2002 and 2003 sessions at the AMS) may be found on the ICHM website at www.math.uu.nl/ichm

Projects:

1. The ICHM sponsored and coordinated an edition on the historiography of the history of mathematics, entitled Writing the History of Mathematics: Its Historical Development (Basel: Birkhäuser Verlag, 2002). Co-edited by Joseph W. Dauben (United States) and Christoph J. Scriba (Germany), this 700-page volume represents a truly international collaboration with individual chapters authored by upward of twenty historians on the development of the history of mathematics in countries around the world.
2. The ICHM has mounted and is maintaining a webpage of its activities and of matters of interest to historians of mathematics internationally. See www.math.uu.nl/ichm
3. The ICHM is presently compiling a database of information on historians of mathematics around the world. Relative to this World Directory effort, the ICHM has published "calls" to the international community of historians of mathematics to alert them to the existence of both the website and the questionnaire. These have appeared in journals Historia Mathematica, the Newsletter of the British Society for the History of Mathematics, the Newsletter of the Canadian Society for the History and Philosophy of Mathematics, and the Newsletter of the Chinese History of Mathematics Society (in Chinese), among others. It is the ICHM's hope that these efforts will result in due course in a reasonably complete database of historians of mathematics.

Publications:

1. *Historia Mathematica* is the official journal of the ICHM. It appears four times annually and publishes roughly 525 pages of original research in the history of mathematics from all times and cultures. From 2000 through 2003 the journal was edited by Craig Fraser (Canada) and Umberto Bottazzini (Italy) and from 2003 to the present by Craig Fraser (Canada) and Benno van Dalen (Germany). It is published by Elsevier Science and is available electronically to subscribers of IDEAL.
2. Joseph W. Dauben and Christoph J. Scriba, ed., Writing the History of Mathematics: Its Historical Development (Basel: Birkhäuser Verlag, 2002).

Medals:

The Kenneth O. May Medal is awarded every four years to the historian or historians of mathematics whose work best exemplifies the high scholarly and intellectual contributions to

the field that May worked so hard to achieve. It was awarded for the fifth time at a special ceremony in Utrecht, The Netherlands on 30 June, 2005 to Henk Bos (The Netherlands) for his ground-breaking work on the history of seventeenth-century mathematics.

The members of the EC of the ICHM:

The EC's current (through 2005) members are: Karen Hunger Parshall (United States), Chair; Craig Fraser (Canada), Vice Chair; Elena Ausejo (Spain), Secretary; Menso Folkerts (Germany), Treasurer; Ahmed Djebbar (France); Natalja Ermolaeva (Russia); Alejandro Garçiadiego (Mexico); Niccolò Guicciardini (Italy); Sergio Nobre (Brazil); QU Anjing (China); Luis Saraiva (Portugal); YANO Michio (Japan). Ex officio members are: Kirsti Andersen (Denmark); Joseph W. Dauben (United States); and Christoph Scriba (Germany). The two IMU members are: Jeremy Gray (United Kingdom) and LI Wenlin (China). For a list of the current ICHM national members, see the back cover of any recent issue of *Historia Mathematica*.

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Report of

COMMITTEE ON ELECTRONIC INFORMATION AND COMMUNICATION (CEIC)

Activities in 2002-2006

Report prepared by Jonathan Borwein

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The CEIC is a standing advisory committee to the Executive Committee of the International Mathematical Union. Its goals include making the issues involved generally understood; to define the relevant needs of our discipline clearly; to shape the role the mathematical community needs to play; and to guide the practice of scholarly communication and publication. More specifically, the Committee is to take an active part in any development of a Digital Mathematics Library, and to further address copyright and archiving issues, journal licensing models, and cost models for journal production and acquisition. As one consequence the CEIC has developed and maintains several websites:

CEIC at http://www.ceic.math.ca
WDML at http://www.ceic.math.ca/WDML
FWDM currently at http://www.cs.dal.ca/ddrive/fwdm
EWDM at http://www.mathunion.org/ewdm/

The CEIC has met face-to-face as a committee on four occasions since the Shanghai General Assembly, nine occasions in all since its inception at Dresden; three of its meetings took place in the context of workshops/conferences on issues within the Committee's remit.

Best Practice Statements. The CEIC had prepared detailed Best Practice Recommendations, eventually adopted by in Shanghai, 2002. The CEIC prepared a revised and updated version of the recommendations; those revisions were endorsed by the EC at its 72nd meeting in Oxford, 2004; see http://www.ceic.math.ca/Publications.

Implementing of the recommendations in this document is not the only important way to enhance general mathematical practices. In developing countries, it is also essential as a means to improve communication and access to the resources and activities of the international mathematics
community. Because scholarly communication is changing rapidly, there is great urgency to these efforts. The revised recommendations have been enriched by an addendum on Journal Pricing. The updated recommendations may be found at:
http://www.ceic.math.ca/Publications/Recommendations/Journalprices.shtml.

Several related topics have been identified for future work. As important part of its WDML remit, in 2005 the Committee completed a statement on Best Practices for Retrodigitization, see http://www.ceic.math.ca/Publications/retro bestpractices.pdf.

World Directory of Mathematicians: The CEIC had noted at its fifth meeting in early 2002, that some half dozen centers in various countries had projects to scan parts of the existing mathematical literature, thus making it available in digital form (retrodigitization). It had

determined that the development is of great importance for mathematics and had urged the IMU to accept a central role in the co-ordination and facilitation of this retrodigitization project. Consequently the CEIC was charged by the IMU to co-ordinate the IMU's WDML activities, see http://www.ceic.math.ca/ WDML/. The Committee assisted in promoting and facilitating the role of the Zentralblatt and Mathematical Reviews in establishing a 'Simple Meta-data' standard and provided a new statement 'Best Practices for Retrodigitization'. A visible outcome is the addition of a quarter of a million links to retrodigitized items, often as part of new entries, in the Zentralblatt and in Mathematical Reviews. A registry of retrodigitized journals, substantially based on the continuing work of Ulf Rehmann, has been created with the help of the AMS.

CEIC members contributed to many related workshops such as: the DML workshop at Göttingen, May, 2003; the 5th EMANI workshop and the 3rd WDML workshop, 'New Developments in Electronic Publishing of Mathematics', Stockholm, June 2004; and the MSRI 'World Digital Mathematics Library' workshop, April, 2005 as well as to presentations at major conferences including ICIAM2003, Sydney and the Mainz, 2005, joint AMS/DMV/OMG Meeting.

Federated World Directory of Mathematicians: Federated searching connotes any system that provides a common user interface for searching and retrieving information across heterogeneous datasets over the Internet. In 1998 the CEIC was asked to explore the feasibility of an electronic World Directory of Mathematicians to replace the traditional hard copy. The CEIC concluded that, while desirable, intellectual property and privacy issues in different countries made this impossible for the 2002 edition of the WDM. With the emergence of better Internet search tools, the CEIC subsequently found it realistic to build a federated directory. What this provides is a rapid and simple search over existing online databases with no additional work for the user; for additional comments and the working model see http://projects.cs.dal.ca/ddrive/fwdm/index.shtml. A full version is intended for release at the 2006 ICM.

Electronic World Directory of Mathematicians: Only a limited number of society membership lists are as yet accessed by the FWDM. Mathematicians wishing to make certain that their names and details are nonetheless available to the mathematical community by way of the FWDM have the opportunity to join the EWDM at http://www.mathunion.org/ewdm/. Some care has been taken to make this list difficult for automated programmes to access.

Recommendations to the EC: The Committee's terms of reference requested it to draft a proposal, to be decided upon by the EC in 2006, concerning its future status. The proposal was to include issues such as CEIC's institutionalization, membership, long term financing, and sustain-ability of the various current CEIC efforts and activities.
In reporting to the EC, the Committee emphasized that its primary goals are variously to advise the EC on issues the CEIC believes should be of concern to the mathematical community and on matters explicitly put to it by the EC, and to carry out occasional tasks and maintenance so as to bring such advice into effect. The Committee believes its advisory tasks are paramount. It seems feasible at present that funding required to underwrite tasks undertaken by the Committee, and maintenance of most continuing projects, be found from sources accessible to the Committee's members. The Committee believes its funding for the next four years can be reduced to a level sufficient to do little more than to allow support for

the travel of its members to occasional face to face meetings and workshops. It follows that the Committee should remain advisory to the EC, that it remain restricted in size, and that it should consist of an appropriate mix of persons with experience and expertise in the matters relevant to the Committee.

Accordingly, the Committee has advised the EC that there should be a near complete rollover of its membership staged at two-year intervals so as to guarantee appropriate continuity. All but three of its members choose to retire from the Committee this August, the remaining three members agree to maintain their contribution for two more years. Three new persons with varied appropriate experience and expertise have been recommended to join the Committee to serve for at least four years from August. In addition, a member of the EC is expected to join the Committee as EC representative. In summary, the Committee recommends that the EC reconstitute the Committee so that it consist of seven persons with the three currently continuing members to be replaced by the EC in two years time. The EC can of course choose to add additional members should the need arise. The value of the IMU for the Committee should be reviewed at no more than four yearly intervals.

Other matters for recommendation are implicit in the revised terms of reference for the Committee and in various other matters incidentally touched on in this report.

Meetings of the CEIC for 2003–2006

Berlin, 05/2003. The sixth meeting of the CEIC was held at the Konrad-Zuse-Zentrum (ZIB), Berlin, May 24–25. Several members of the CEIC had earlier attended a meeting to discuss the Digital Math Library initiative at Göttingen, May 21–22.

The CEIC embraced the call of the participants of the Göttingen meeting to endeavor to facilitate the World Digital Mathematics Library initiative on behalf of the mathematical community and took first steps towards that end. The Committee noted that its statement Best Current Practices: Recommendations on Electronic Information Communication of the CEIC (BCP), is an important and successful activity of the CEIC and resolved to provide related documents giving references, links to related material, and relevant examples.

The CEIC considered Intellectual Property Rights/Copyright issues, it resolved to attempt to deal with its task to initiate an electronic version of the World Directory of Mathematicians by looking into the possibility of federated search of available lists of members of mathematical societies, and endorsed details for the new IMU server http://www.mathunion.org and for the CEIC website http://www.ceic.math.ca/. The Committee established a Technical Advisory Board and resolved to organize a CEIC session at ICIAM 2003.

For a detailed report see http://www.ceic.math.ca/Publications/Minutes/ 6th Minutes.pdf.

Durham, NC, 03/2004. The seventh meeting of the CEIC took place at Duke University, March 11–13, 2004. For a detailed report see http: //www.ceic.math.ca/Publications/Minutes/7th Minutes.pdf.

After hearing and discussing status reports on a variety of ongoing projects of the CEIC and on other matters of interest to the CEIC the Committee held a wide-ranging discussion 'taking stock of the CEIC' in order to identify new tasks and current priorities. Subgroups of the Committee carefully drafted agreed Committee statements. Members of the Committee 'volunteered' to advance the respective tasks.

The Committee agreed that its present activity should emphasize assisting the mathematical community to inform itself on electronic and information issues. The Committee endorsed a request from the Editors of the Zentralblatt and of Mathematical Reviews proposing minimal 'standards for metadata for digitized mathematics'. More generally, the Committee noted its obligation to develop a framework for the WDML dealing with formalization of such matters

as aims and principles of the project, formats, functionalities, long-time archiving issues, access, organization, management, copyright, and the like.

The Committee initiated its now regular column 'IMU on the Web' with an article concerning its addendum to Best Current Practice Statement #8 on Journal Prices, http://www.ceic.math.ca/Publications/Recommendations/ Journalprices.shtml.

The Committee resolved to ask the IMU Executive Committee to approve and fund the construction, under CEIC aegis, of a Federated World Directory of Mathematicians (FWDM); see http://projects.cs.dal.ca/ddrive/ fwdm/.

Grenoble, 03/2005. The eighth meeting of the CEIC, held at Université Joseph Fourier. Grenoble, France, March 11–13, 2005 was preceded by a brief Workshop on Digitization. The CEIC benefited from the participation of IMU president, John Ball, in its deliberations. The Committee determined that Digitization needs a vision statement and that such a statement, to be prepared for the use of the Berkeley meeting on the WDML, must emphasize and explain the benefits of the 'moving wall' for making digitized journal materials readily accessible.

The CEIC also noted that it is critical to establish a working registry of digitized materials, and of plans and proposals for digitization projects.

The CEIC agreed on the wisdom of a near complete rollover of its membership, perhaps so staged (say at two-year intervals) as to guarantee appropriate continuity, and accordingly resolved to find persons suitable to recommend to the EC as new members of the CEIC from 2006.

The CEIC noted that for mathematics 'open access' is not the same thing as 'author pays', but is rather a matter of freeing journal content after an appropriate, say five year, period when it plainly has returned the value that can reasonably be expected by its publishers and copyright owners. For details consult http://www.ceic.math.ca/Publications/Minutes/ 8th Minutes.pdf.

Berlin, 02/2006. The ninth meeting of the CEIC was scheduled to be contiguous to the meeting of the EC and was held at the Konrad-Zuse-Zentrum (ZIB), Berlin, February 24–26; its afternoon session on Sunday was joined by the EC.

The core task of the meeting was to complete preparation of its report to the EC and of the present report to the IMU. Accordingly the Committee reviewed its activities and confirmed appropriate variants of the decisions tentatively taken at its eighth meeting. Other matters included the CEIC agreeing to continue its regular contribution to IMU-Net and in particular to use IMU on the Web as the Committee's method of promulgating incidental Best Practice addenda and comments; a number of useful future IMU on the Web topics were agreed to. The Committee decided to look into a project to digitize and make available the proceedings of all past ICMs.

Detailed minutes of the meeting are available at http://www.ceic.math. ca/Publications/Minutes/9th Minutes.pdf.

Membership and Participation 2002–2006
Jonathan Borwein (Canada), Chair [4/4];
Pierre B́erard (France) [4/4]
John Ewing (USA) [4/4];
Martin Grötschel (Germany) [4/4];
Alejandro Jofre (Chile) [4/4];
Peter Michor (Austria) [4/4];
David Morrison (USA) [4/4];

Alf van der Poorten (Australia) [4/4];

Rolf Jeltsch (Switzerland) and David Mumford (USA) contributed to the work of the Committee as the DML liaison committee of the IMU.

Appendix: the CEIC's Terms of Reference

At its 71st session on August 19, 2006, in Santiago de Compostela the IMU Executive Committee has reviewed the activities of its *Committee on Electronic Information and Communication* (CEIC) and has decided to re-establish the CEIC for a third term with the following revised terms of reference.

Comment: This is the not yet finally revised version, mildly revised by me.

Terms of Reference:

As an international steward of mathematical science, the IMU has accepted a responsibility to advance the use of new technologies. It has therefore established the CEIC to advise it on how best to accomplish that goal.

(1) The CEIC's duties are to

(a) Review the development of Electronic Information, Communication, Publication, and Archiving as it impacts the international mathematical community with the aim to make the issues involved generally understood, to define the relevant needs of our discipline clearly.

(b) Encourage electronic mathematical community building and to contribute to the development of tools for this purpose.

(c) Review and sponsor activities for mathematical software and data repositories.

(d) Coordinate and facilitate collaboration among stakeholders in these and related activities for the benefit of mathematics worldwide.

(e) Report regularly to the EC, and to advise and alert the EC to new developments.

(f) Advise the EC on electronic aspects of IMU operations, including financing requirements.

(g) Suggest further actions as necessary.

(2) The CEIC is a standing committee of the Executive Committee (EC) of the IMU, reviewed every four years by the EC at its meeting preceding that of the GA. Members are appointed in even numbered years for staggered four year terms using criteria similar to those for IMU Commissions. The CEIC conducts most of its work electronically, meeting face to face as necessary.

(3) The CEIC is asked to address, in its third 4-year term, the following issues with special emphasis.

(a) The CEIC is asked to facilitate and encourage the development of a Digital Mathematics Library.

(b) The CEIC may suggest international standards ('best practice recommendations') on issues related to publication and electronic communication. Such recommendations will be reviewed by the EC and, if approved, may be published and promoted in the name of the IMU. The CEIC is expected to continue its previous efforts, such as its once promotion and organization of Math-Net and its current promotion of the Federated World Directory of Mathematicians, that make mathematics-related material electronically available. The CEIC may organize or sponsor international meetings or forums to bring together representatives of all interested parties.

FINANCIAL REPORTS FOR THE YEARS 2002-2005

Included in the following pages are the financial reports for the years 2002-2005 for IMU and its Commissions, CDE and ICMI.

IMU APPROVED BUDGET FOR THE YEARS 2003 – 2006
IN SWISS FRANCS

EXPENDITURE

Schedule A:	1995-1998	1999-2002	2003-2006
Secretarial help, IMU office	15,000	17,000	20,000
Secretarial help, President	3,000	5,000	5,000
Accountant	0	0	8,000
ICMI	11,000	11,000	15,000
CDE	6,000	6,000	7,000
Office expenses (including postage)	8,400	14,400	16,000
Travel expenses of the EC	27,600	30,000	30,000
President's and Secretary's expenses	2,000	4,000	4,000
Contribution to ICSU	7,000	7,000	9,500
IMU Bulletin	2,000	3,000	5,000
Audit fee	2,000	4,500	7,000
General Assembly - 2002	4,000	4,000	4,000
World Directory of Mathematicians	20,000	20,000	20,000
Contingencies	2,000	2,000	2,000
Subtotal	**110,000**	**127,900**	**152,500**

Schedule B:			
Symposia, conferences, IMU lecturers	65,000	86,000	95,000
ICMI scientific activities	22,000	22,000	27,000
CDE scientific activities	40,000	33,000	40,000
Program Committee for ICM 06	6,000	8,000	8,000
Travel grants	25,000	40,000	42,000
Subvention to ICM 02	26,000	28,000	28,000
CEIC scientific activities			25,000
Subtotal	**184,000**	**217,000**	**265,000**
Total	**294,000**	**344,900**	**417,500**

INCOME

Membership dues (212 x 1320)	210,000	254,400	279,840
ICSU subvention	26,000	10,500	10,500
Sales of W.D.M.	10,000	12,000	14,160
Special Development Fund	25,000	45,000	72,000
Interest on bank accounts	23,000	23,000	41,000
Total	**294,000**	**344,900**	**417,500**

INTERNATIONAL MATHEMATICAL UNION
Budget Comparison For The Years 2002-2005 In Swiss Francs

EXPENDITURE

Schedule A:	BUDGET 2003-2006	YEAR 2002	YEAR 2003	YEAR 2004	YEAR 2005
Secretarial help, IMU office	20,000	56,030	24,152	22,075	15,375
Secretarial help, President	5,000	5,312	5,208	0	0
Accountant	8,000	0	8,308	8,771	15,995
CDE Admin Assistant	0	0	0	16,926	66,402
ICMI	15,000	11,587	14,867	15,368	14,913
CDE	7,000	6,362	6,948	7,625	7,104
Office expenses (including postage)	16,000	8,553	3,943	2,259	2,353
Travel expenses of the EC	30,000	29,203	19,096	18,394	36,382
President's and Secretary's expenses	4,000	3,974	2,127	2,193	1,878
Contribution to ICSU	9,500	9,483	8,103	7,503	7,382
IMU Bulletin	5,000	1,612	1,336	0	0
Audit fee	7,000	8,216	7,695	7,156	6,396
General Assembly 2006	4,000	3,789	4,000	4,000	4,000
World Directory of Mathematicians	20,000	20,000	0	0	0
Contingencies	2,000	0	0	0	0
Subtotal	**152,500**	**164,121**	**105,783**	**112,270**	**178,180**

Schedule B:					
Symposia, conferences, IMU lectures	95,000	81,839	66,801	17,605	54,043
ICMI scientific activities	27,000	38,973	40,260	27,663	26,848
CDE scientific activities	40,000	42,893	39,706	100,000	90,662
Program Committee for ICM 06	8,000	7,664	22,377	579	6,587
Travel grants	42,000	39,999	42,000	42,000	42,000
Subvention to ICM 06	28,000	28,001	28,000	28,000	28,000
CEIC scientific activities	25,000	0	12,662	24,801	24,324
Subtotal	**265,000**	**239,369**	**251,806**	**240,648**	**272,464**
TOTAL	**417,500**	**403,490**	**357,589**	**352,918**	**450,644**

INCOME

	BUDGET 2003-2006	YEAR 2002	YEAR 2003	YEAR 2004	YEAR 2005
Membership dues (212 x 1320)	279,840	196,223	284,631	262,839	274,965
ICSU subvention	10,500	23,700	13,500	0	0
Sales of W.D.M.	14,160	10,463	12,583	1,270	524
Sales of Publications	0	0	0	3,028	4,841
Other Income	0	0	0	93,224	73,775
Special Development Fund	72,000	69,187	35,316	30,465	32,787
Interest on bank accounts	41,000	14,724	7,326	7,163	14,981
TOTAL	**417,500**	**314,297**	**353,356**	**397,989**	**401,873**

**BALANCE OF THE UNION'S BANK ACCOUNT AT THE END OF THE FISCAL YEAR
2002-2005, IN US$**

PNC BANK

	2002	2003	2004	2005
Current Account	$5,541	$12,409	$11,453	$12,500
Money Market	$488,942	$471,468	$575,214	$549,789
TOTAL	$494,483	$483,877	$586,667	$562,289

SUBVENTION FROM ICSU

**Subvention from the
International Council of
Scientific Union 1998-2001, in
US$**

All the following contributions were
allocated to CDE (Commission on
Development and Exchange)
and used to support conferences
and workshops in developing
countries, travel grants/fellowships
and support to research groups:

2002	2003	2004	2005
$15,000	$1,000	$0	$0

SPECIAL DEVELOPMENT FUND

The following contributions have been received in the years 2002-2006:

	US $
2002	
American Mathematical Society	$23,471.51
London Mathematical Society	$5,000.00
Mathematical Society of Japan	$14,642.57
Unione Matematica Italiana	$675.29
2003	
American Mathematical Society	$20,361.50
Het Wiskundig Genootschap Netherlands	$5,114.12
Unione Matematica Italiana	$684.97
2004	
American Mathematical Society	$18,636.50
London Mathematical Society	$4,972.00
Unione Matematica Italiana	$763.49
2005	
American Mathematical Society	$17,823.75
German Mathematical Society	$2,936.00
London Mathematical Society	$4,938.55
Unione Matematica Italiana	$958.16
2006	
American Mathematical Society	$15,153.98
Mathematical Society of Japan	$16,697.29

On behalf of IMU, the Executive Committee expresses its deep gratitude for these donations.

INTERNATIONAL MATHEMATICAL UNION

DUES ARREARS AS OF DECEMBER 31, 2005

MEMBER	Dues Swiss Francs	YEARS	US$ Dollars
Armenia	1,320.00	2005	$1,007.63
Belgium	5,280.00	2005	$4,030.53
Bosnia & Herzegovina	2,640.00	2004-5	$2,015.27
Chile	2,640.00	2005	$2,015.27
Croatia	2,640.00	2004-05	$2,015.27
Cuba	13,044.33	1993 part; 94-99, 2002-05	$9,957.50
Georgia	1,320.00	2005	$1,007.63
Hungary	2,840.00	part 2005	$2,167.94
Kazakhstan	2,640.00	2004-05	$2,015.27
Nigeria	17,760.00	1990-1997; 1999-2005	$13,557.25
Peru	3,960.00	2003-05	$3,022.90
Philippines	14,772.00	1991, 94, 96-05; part 95	$11,276.34
Slovakia	2,640.00	2004	$2,015.27
Tunisia	8,640.00	1998-2004	$6,595.42
Turkey	660.00	part 2005	$503.82
Ukraine	7,920.00	2003-05	$6,045.80
Uruguay	2,640.00	2004-05	$2,015.27
TOTAL	**93,356.33**		**$71,264.37**

1 US Dollar = 1.31 Swiss Francs at December 31, 2005

The following countries have paid their previous dues in early 2006:
Uruguay (2004), Hungary (2005)

INTERNATIONAL MATHEMATICAL UNION

Independent Auditors' Report

Financial Statements (Modified Cash Basis) and Additional Information

Years Ended December 31, 2002

Deloitte
&Touche

INDEPENDENT AUDITORS' REPORT

We have audited the statement of assets and liabilities - modified cash basis of International Mathematical Union (the "IMU") as of December 31, 2002, and the related statement of income and expenditures - modified cash basis for the year then ended. These financial statements are the responsibility of the IMU's management. Our responsibility is to express an opinion on these financial statements based on our audits. The prior year summarized comparative information has been derived from the IMU's December 31, 2001 financial statements, and in our report dated February 27, 2002, we expressed an unqualified opinion on those financial statements.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

As described more fully in Note 1 to the financial statements, these financial statements were prepared in conformity with the accounting practices prescribed or permitted by the International Council of Scientific Unions ("ICSU"), which is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America.

In our opinion, such financial statements present fairly, in all material respects, the assets and liabilities (modified cash basis) of IMU at December 31,2002, and the income and expenditures (modified cash basis) for the year then ended, on the basis of accounting described in Note 1.

This report is intended solely for the information and use of the board of directors and the members of IMU and for ICSU to whose jurisdiction the IMU is subject and is not intended to be and should not be used by anyone other than these specified parties.

Our audit was conducted for the purposes of forming an opinion on the basic financial statements taken as a whole. The additional information listed in the table of contents is presented for the purposes for additional analysis and is not a required part of the basic financial statements. This additional information is the responsibility of IMU' s management. Such information has been subjected to the auditing procedures applied in our audit of the basic financial statements and, in our opinion, is fairly stated in all material respects when considered in relation to the basic financial statements taken as a whole.

March 5, 2003

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INTERNATIONAL MATHEMATICAL UNION
Statement of Income and Expenditure For The Year Ended December 31, 2002

I – INCOME	US DOLLARS
Grant from ICSU Fund and US National Academy of Sciences	
Allocation from UNESCO to ICSU Grants Program	$15,000
UNESCO Contracts	
Contributions from National Members	$124,192
Contributions from Other Members	
Special Contributions	$43,789
Contracts	
Sales of Publications, Royalties	$6,622
Sales of Scientific Materials	
Bank Interest	$9,319
Gain on Exchange	
Other Income	
TOTAL INCOME	**$198,922**

II - EXPENDITURES	
A) SCIENTIFIC ACTIVITIES	
General Assembly or equivalent	$2,398
Scientific Meetings: Symposia/ Colloquia/ Working Groups/ Training Courses, etc.	$94,835
Representation at Scientific Meetings	
Data Gathering/ Processing	
Research Projects	
Grants to Individuals/Organizations	$59,148
Other	
Less covered by UNESCO Contracts	
Routine Meetings	
Bureau/ Executive Committee	$23,334
Other	
Publications	$12,658
B) OTHER ACTIVITIES	
Contribution to ICSU	$6,002
Contribution to other ICSU bodies	$4,027
Activities covered by UNESCO Contracts	
C) ADMINISTRATIVE EXPENSES	
Salaries and Related Expenses	$38,824
General Office Expenses	$7,163
Office Equipment	
Audit Fees	$5,200

Bank Charges	$1,786
Loss on Exchange	
TOTAL EXPENDITURES	$255,375
EXCESS OF INCOME OVER EXPENDITURES	($56,453)
ACCUMULATED BALANCE AT JANUARY 1, 2002	$482,098
ACCUMULATED BALANCE AT DECEMBER 31, 2002	$425,645

See notes to financial statements.

INTERNATIONAL MATHEMATICAL UNION
ASSETS and LIABILITIES in US$ Dollars
DECEMBER 31, 2002 (WITH COMPARATIVE TOTALS FOR 2001)

	2002		2001	
ASSETS				
BANK ACCOUNTS and CASH (Note 2)				
Cash				
Current Accounts	$5,541		$3,683	
Deposit Accounts	$488,942	$494,483	$668,076	$671,759
Prepayments				
Receivables		$3,469		$769
TOTAL ASSETS		$497,952		$672,528
LIABILITIES				
Creditors and Accruals		$33,853		$5,000
ACCUMULATED FUNDS (Note 3)				
General Fund				
Beginning of Year Balance	$482,098		$477,858	
Excess Expenditure over Income	($56,453)	$425,645	$4,240	$482,098
Special Development Fund				
Beginning of Year Balance	$71,554		$47,885	
Provision to ICM 02			$23,669	
Expenses	($71,554)	$0	$0	$71,554
General Assembly Fund				
Beginning of Year Balance	$12,703		$10,336	
Provision to General Assembly 0	$0		$2,367	
Expenses	($9,140)	$3,563	$0	$12,703
World Directory of Mathematicians Fund				
Beginning of Year Balance	$51,086		$39,252	
Provision to W.D.M.	$12,658		$11,834	
Expenses	($28,853)	$34,891	$0	$51,086
Fund to ICM 02				
Beginning of Year Balance	$50,087		$33,519	
Provision to ICM 02	$0		$16,568	
Expenses	($50,087)	$0	$0	$50,087
		$497,952		$672,528

See notes to financial statements.

INTERNATIONAL MATHEMATICAL UNION

NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2002

1. BASIS OF ACCOUNTING
The accompanying financial statements were prepared on the basis of cash receipts and disbursements modified for scheduled and contractual transactions, i.e., sales of publications receivable, audit and publication fees payable, in a manner consistent with prior year financial statements. Further, these financial statements exclude a statement of cash flow.

2. BANK ACCOUNTS and CASH

		2002	**2001**
The amount held with banks is as follows:		US$	US$
PNC Bank	USA		
- Current Account		$5,541	$3,683
- Money Market		$488,942	$668,076
		$494,483	$671,759

3. ACCUMULATED FUNDS

These funds represent the amounts set aside to cover the following:

Provided in Year Ended	2002 General Fund	2002 General Assembly	2002 World Directory	2002 Special Development	2002 Fund to ICM 02
General Fund Balance December 31, 2001	$482,098				
Transfer excess expenditure over income	($56,453)				
Special Development Balance December 31, 2001				$71,554	
Provision to ICM 02 Expenses				($71,554)	
General Assembly Fund					

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Balance December 31, 2001	$12,703			
Provision to General Assembly 02				
Expenses	($9,140)			
World Directory of Mathematicians Fund				
Balance December 31, 2001		$51,086		
Provision to W.D.M.		$12,658		
Expenses		($28,853)		
Fund to ICM 02				
Balance December 31, 2001				$50,087
Provision to ICM 02				
Expenses				($50,087)
$425,645	$3,563	$34,891	$0	$0

INTERNATIONAL MATHEMATICAL UNION

STATEMENT OF INCOME and EXPENDITURE
FINANCIAL YEARS 2002 and 2001 COMPARED, IN US$ DOLLARS

	2002		2001	
INCOME				
Allocation from UNESCO grant to ICS	$15,000		$0	
Contributions from National Members	$124,192		$131,947	
Special Contributions	$43,789		$46,049	
Sale of Publication	$6,622		$8,427	
Bank Interest	$9,319		$20,785	
Gain on Exchange	$0		$0	
Other Income	$0	$198,922	$0	$207,208
EXPENDITURES				
A. MEETINGS				
Executive Committee	$18,483		$17,683	
Other	$0		$0	
Program Committee	$4,851		$8,021	
General Assembly	$2,398	$25,732	$2,367	$28,071
B. PUBLICATIONS		$12,658		$11,834
C. SCIENTIFIC ACTIVITIES				
ICMI	$24,667		$12,360	
CDE	$27,148		$28,122	
Travel Grants	$43,038		$23,669	
Conferences	$51,797		$53,799	
Other	$0	$146,650	$0	$117,950
D. ADMINISTRATIVE EXPENSES				
Contribution to ISCU	$6,002		$5,942	
Grant to CTS	$0		$0	
Grant to ICMI	$7,333		$6,180	
Grant to CDE	$4,027		$0	
Audit Fees	$5,200		$5,200	
Salaries and related charges	$38,824		$19,838	
General office expense	$7,163		$6,635	
Office Equipment	$0		$0	
Bank charges	$1,786		$1,319	

Loss on exchange	$0	$70,335	$0	$45,114
		$255,375		$202,968
EXCESS OF EXPENDITURE OVER INCOME		($56,453)		$4,240
Allocated to General Fund		$56,453		($4,240)

INTERNATIONAL MATHEMATICAL UNION

Statement of Contributions received from members in the year ended December 31, 2002, in US$ Dollars

MEMBER	PRE 2002	2002
Argentina	$1,600.00	
Armenia		$818.05
Australia		$2,955.77
Belgium		$3,147.95
Bulgaria	$825.88	
Chinese Math Society, PRC		$3,138.20
Math Society, Taipei		$1,400.15
Czech Republic		$1,356.93
Denmark		$1,660.00
Egypt		$770.37
Estonia		$800.80
Finland		$1,578.74
Germany		$6,956.52
Greece		$791.14
Hong Kong		$725.74
Hungary		$3,091.39
Iceland		$729.33
India		$3,070.87
Ireland		$1,389.07
Israel		$7,280.03
Italy		$7,677.05
Japan		$7,792.21
Kazakhstan		$724.99
Korea, Republic of South		$1,554.10
Latvia		$689.34
Lithuania		$782.37
Mexico	$476.57	$1,429.69
Netherlands		$5,423.20
New Zealand		$719.36
Norway		$1,482.03
Poland		$3,110.62
Portugal		$780.09
Romania		$734.26
Saudi Arabia		$700.84
Singapore		$740.74
Slovak Republic		$1,550.09
Slovenia		$741.66
South Africa		$1,367.05
Spain		$2,841.08
Sweden		$5,570.66

Switzerland		$5,428.81
Turkey	$1,085.00	$413.00
United Kingdom	$7,018.00	$7,272.73
United States		$8,423.42
Venezuela		$718.56
Vietnam	$2,142.87	$714.27
TOTAL	$13,148.32	$111,043.27

TOTAL CONTRIBUTIONS RECEIVED	**$124,191.59**

INTERNATIONAL MATHEMATICAL UNION

DUES ARREARS AS OF DECEMBER 31, 2002

MEMBER	Dues Swiss Francs	YEARS	US$ Dollars
Argentina	2,400.00	2002	$1,610.74
Bulgaria	1,200.00	2002	$805.37
Canada	12,000.00	2002	$8,053.69
Chile	4,800.00	2001-02	$3,221.48
Croatia	1,200.00	2002	$805.37
Cuba	9,084.33	1993 part; 94-99, 2002	$6,096.87
France	12,000.00	2002	$8,053.69
Georgia	23,600.00	1993-2002	$15,838.93
Ivory Coast	2,400.00	2001-02	$1,610.74
Korea, Dem Rep of (North)	14,000.00	1991-2002	$9,395.97
Nigeria	13,800.00	1990-1997; 1999-2002	$9,261.74
Peru	1,200.00	2002	$805.37
Philippines	10,812.00	1991, 94, 96-02; part 95	$7,256.38
Russia	24,000.00	2001-02	$16,107.38
Tunisia	6,000.00	1998-2002	$4,026.85
Turkey	600.00	2002 part	$402.68
Ukraine	4,800.00	2001-02	$3,221.48
Uruguay	2,400.00	2001-02	$1,610.74
Yugoslavia	886.00	2002 part	$594.63
TOTAL	**147,182.33**		**$98,780.09**

* Democratic Republic of Korea changed to observer status as of 01/01/03

1 US Dollar = 1.49   Swiss Francs at December 31, 2002

The following countries have paid their previous dues in early 2003:
Canada (2002), France (2002), Peru (2002), Yugoslavia (2002)

INTERNATIONAL MATHEMATICAL UNION
STATEMENT OF INCOME AND EXPENDITURE
IN SWISS FRANCS - 2002

EXPENDITURE

SCHEDULE A:	Budget	Actual
Secretarial help, IMU Office	17,000	56,030
Secretarial help, President	5,000	5,312
ICMI	11,000	11,587
CDE	6,000	6,362
Office expenses (including postage)	14,400	8,553
Travel expenses of E.C.	30,000	29,203
President's and Secretary's expense	4,000	3,974
Contribution to ICSU	7,000	9,483
IMU Bulletin	3,000	1,612
Audit Fee	4,500	8,216
General Assembly - 2002	4,000	3,789
World Directory of Mathematicians	20,000	20,000
Contingencies	2,000	0
Subtotal	**127,900**	**164,121**

Schedule B:	BUDGET	ACTUAL
Symposia, Conferences, IMU Lectures	86,000	81,839
ICMI scientific activities	22,000	38,973
CDE scientific activities	33,000	42,893
Program Committee for ICM 02	8,000	7,664
Travel Grants	40,000	39,999
Subvention to ICM 02	28,000	28,001
Subtotal	**217,000**	**239,369**
TOTAL	**344,900**	**403,490**

INCOME		
Membership dues (212 x 1200)	254,400	196,223
ICSU subvention	10,500	23,700
Sales of W.D.M.	12,000	10,463
Special Development Fund	45,000	69,187
Interest on bank accounts	23,000	14,724
TOTAL	**344,900**	**314,297**

International Mathematical Union

Independent Auditors' Report

Financial Statements (Modified Cash Basis) and Additional Information

Year Ended December 31, 2003

Deloitte

Deloitte& Touche LLP
750 College Road East
Third Floor
Princeton, NJ 08540 USA

Tel: +1 609 514 3600
www.deloitte.com

**INDEPENDENT   AUDITORS'
REPORT**

We have audited the statement of assets and liabilities - modified cash basis of International Mathematical Union (the "IMU") as of December 31, 2003, and the related statement of income and expenditures - modified cash basis for the year then ended. These financial statements are the responsibility of the IMU's management. Our responsibility is to express an opinion on these financial statements based on our audit. The prior year summarized comparative information has been derived from the IMU's December 31,2002 financial statements, and in our report dated March 5, 2003, we expressed an unqualified opinion on those financial statements.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

As described more fully in Note I to the financial statements, these financial statements were prepared in conformity with the accounting practices prescribed or permitted by the International Council of Scientific Unions ("ICSU"), which is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America.

In our opinion, such financial statements present fairly, in all material respects, the assets and liabilities (modified cash basis) of IMU at December 31,2003, and the income and expenditures (modified cash basis) for the year then ended, on the basis of accounting described in Note 1.

This report is intended solely for the information and use of the board of directors and the members of IMU and for ICSU to whose jurisdiction the IMU is subject and is not intended to be and should not be used by anyone other than these specified parties.

Our audit was conducted for the purposes of forming an opinion on the basic financial statements taken as a whole. The additional information listed in the table of contents is presented for the purposes for additional analysis and is not a required part of the basic financial statements. This additional information is the responsibility of IMU's management. Such information has been subjected to the auditing procedures applied in our audit of the basic financial statements and, in our opinion, is fairly stated in all material respects when considered in relation to the basic financial statements taken as a whole.

March 16, 2004

Member of
Deloitte Touche Tohmatsu

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INTERNATIONAL MATHEMATICAL UNION
Statement of Income and Expenditure For The Year Ended December 31, 2003

I – INCOME	US DOLLARS
Grant from ICSU Fund and US National Academy of Sciences	
Allocation from UNESCO to ICSU Grants Program	$10,000
UNESCO Contracts	
Contributions from National Members	$210,838
Contributions from Other Members	
Special Contributions	$26,160
Contracts	
Sales of Publications, Royalties	$9,321
Sales of Scientific Materials	
Bank Interest	$5,427
Gain on Exchange	
Other Income	
TOTAL INCOME	**$261,746**

II - EXPENDITURES	
A) SCIENTIFIC ACTIVITIES	
General Assembly or equivalent	$2,963
Scientific Meetings: Symposia/ Colloquia/ Working Groups/ Training Courses, etc.	$101,334
Representation at Scientific Meetings	
Data Gathering/ Processing	
Research Projects	
Grants to Individuals/Organizations	$79,625
Other	
Less covered by UNESCO Contracts	
Routine Meetings	
Bureau/ Executive Committee	$30,720
Other	
Publications	$0
B) OTHER ACTIVITIES	
Contribution to ICSU	$6,002
Contribution to other ICSU bodies	$5,147
Activities covered by UNESCO Contracts	
C) ADMINISTRATIVE EXPENSES	
Salaries and Related Expenses	$27,903
General Office Expenses	$3,543

Office Equipment	
Audit Fees	$5,700
Bank Charges	$1,943
Loss on Exchange	
TOTAL EXPENDITURES	$264,880
EXCESS OF EXPENDITURES OVER INCOME	($3,134)
ACCUMULATED BALANCE AT JANUARY 1, 2003	$425,645
ACCUMULATED BALANCE AT DECEMBER 31, 2003	$422,511

See notes to financial statements.

INTERNATIONAL MATHEMATICAL UNION
ASSETS and LIABILITIES in US$ Dollars
DECEMBER 31, 2003 (WITH COMPARATIVE TOTALS FOR 2002)

ASSETS

BANK ACCOUNTS and CASH (Note 2)	**2003**		**2002**	
Cash				
Current Accounts				
Deposit Accounts				
Prepayments	$12,409		$5,541	
Receivables	$471,468	$483,877	$488,942	$494,483
TOTAL ASSETS		$8,549		$3,469
		$492,426		$497,952

LIABILITIES

Creditors and Accruals				
ACCUMULATED FUNDS (Note 3)		$5,500		$33,853
General Fund				
Beginning of Year Balance				
Excess Expenditure over Income				
	$425,645		$482,098	
	($3,134)	$422,511	($56,453)	$425,645
Special Development Fund				
Beginning of Year Balance				
Provision to ICM 06				
Expenses	$0		$71,554	
	$31,111			
	$0	$31,111	($71,554)	$0
General Assembly Fund				
Beginning of Year Balance				
Provision to General Assembly 0				
Expenses	$3,563		$12,703	
	$2,963		$0	
	$0	$6,526	($9,140)	$3,563
World Directory of Mathematicians Fund				
Beginning of Year Balance				
Provision to W.D.M.				
Expenses	$34,891		$51,086	
	$0		$12,658	
	($28,853)	$6,038	($28,853)	$34,891
Fund to ICM 06				
Beginning of Year Balance				
Provision to ICM 06				

Expenses	$0		$50,087	
	$20,740		$0	
	$0	$20,740	($50,087)	$0
See notes to financial statements.		$492,426		$497,952

INTERNATIONAL MATHEMATICAL UNION

NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2003

1. BASIS OF ACCOUNTING

The accompanying financial statements were prepared on the basis of cash receipts and disbursements modified for scheduled and contractual transactions, i.e., sales of publications receivable, audit and publication fees payable, in a manner consistent with prior year financial statements. Further, these financial statements exclude a statement of cash flow.

2. BANK ACCOUNTS and CASH

		2003	**2002**
The amount held with banks is as follows:		US$	US$
PNC Bank	USA		
- Current Account		$12,409	$5,541
- Money Market		$471,468	$488,942
		$483,877	$494,483

3. ACCUMULATED FUNDS

These funds represent the amounts set aside to cover the following:

Provided in Year Ended	2003 General Fund	2003 General Assembly	2003 World Directory	2003 Special Development	2003 Fund to ICM 06
General Fund					
Balance December 31, 2002	$425,645				
Transfer excess expenditure over income	($3,134)				
Special Development					
Balance December 31, 2002				$0	
Provision to ICM 06				$31,111	
Expenses					
General Assembly Fund					
Balance December 31, 2002		$3,563			
Provision to General Assembly 06		$2,963			
Expenses					
World Directory of Mathematicians Fund					
Balance December 31, 2002			$34,891		
Provision to W.D.M.					
Expenses			($28,853)		
Fund to ICM 06					
Balance December 31, 2002					$0
Provision to ICM 06					$20,740
Expenses					
	$422,511	$6,526	$6,038	$31,111	$20,740

INTERNATIONAL MATHEMATICAL UNION
STATEMENT OF INCOME and EXPENDITURE
FINANCIAL YEARS 2003 and 2002 COMPARED, IN US$ DOLLARS

	2003		2002	
INCOME				
Allocation from UNESCO grant to ICS	$10,000		$15,000	
Contributions from National Members	$210,838		$124,192	
Special Contributions	$26,160		$43,789	
Sale of Publications	$9,321		$6,622	
Bank Interest	$5,427		$9,319	
Gain on Exchange	$0		$0	
Other Income	$0	$261,746	$0	$198,922
EXPENDITURES				
A. MEETINGS				
Executive Committee	$14,145		$18,483	
Other	$0		$0	
Program Committee	$16,575		$4,851	
General Assembly	$2,963	$33,683	$2,398	$25,732
B. PUBLICATIONS		$0		$12,658
C. SCIENTIFIC ACTIVITIES				
ICMI	$29,822		$24,667	
CDE	$29,412		$27,148	
CEIC	$9,379		$0	
Travel Grants	$31,111		$43,038	
Conferences	$70,223		$51,797	
Other	$0	$169,947	$0	$146,650
D. ADMINISTRATIVE EXPENSES				
Contribution to ISCU	$6,002		$6,002	
Grant to CTS	$0		$0	
Grant to ICMI	$11,012		$7,333	
Grant to CDE	$5,147		$4,027	
Audit Fees	$5,700		$5,200	
Salaries and related charges	$27,903		$38,824	
General office expense	$3,543		$7,163	
Office Equipment	$0		$0	
Bank charges	$1,943		$1,786	
Loss on exchange	$0	$61,250	$0	$70,335
		$264,880		$255,375
EXCESS OF EXPENDITURE OVER INCOME		($3,134)		($56,453)
Allocated to General Fund		$3,134		$56,453

INTERNATIONAL MATHEMATICAL UNION

Statement of Contributions received from members in the year ended December 31, 2003, in US$ Dollars

MEMBER	PRE 2003	2003
Argentina	$1,702.00	$1,872.00
Australia		$3,895.76
Austria		$1,874.73
Bosnia & Herzegovina		$996.57
Brazil		$3,852.00
Cameroon		$959.93
Canada	$8,437.06	$9,340.60
Chinese Math Society, PRC		$3,732.41
Math Society, Taipei		$1,856.15
Croatia	$822.49	
Czech Republic		$1,840.23
Denmark		$1,977.84
Estonia		$1,959.22
Finland		$1,943.18
France	$7,669.57	$9,583.63
Georgia		$1,000.00
Germany		$9,377.66
Greece		$927.81
Hong Kong		$908.96
Hungary		$3,781.96
India		$3,605.76
Ireland		$1,864.98
Israel		$9,676.43
Italy		$9,193.48
Ivory Coast	$853.30	
Japan		$9,018.86
Korea, Republic of South		$1,871.09
Latvia		$928.53
Lithuania		$942.45
Mexico		$1,752.00
Netherlands		$6,635.27
New Zealand		$919.35
Norway		$1,902.14
Peru	$863.31	
Poland		$3,783.86
Romania		$965.19
Russia	$18,400.69	$10,120.36
Saudi Arabia		$952.98
Serbia & Montenegro	$616.80	$948.75

Singapore		$1,000.00
Slovenia		$967.69
South Africa		$1,888.01
Spain		$3,655.50
Sweden		$6,546.54
Switzerland		$6,744.53
Turkey	$431.25	$464.27
United Kingdom		$8,859.00
United States		$9,496.40
Uruguay	$889.00	
TOTAL	$40,685.47	$170,152.26
TOTAL CONTRIBUTIONS RECEIVED		**$210,837.73**

INTERNATIONAL MATHEMATICAL UNION
DUES ARREARS AS OF DECEMBER 31, 2003

MEMBER	Dues Swiss Francs	YEARS	US$ Dollars
Armenia	1,320.00	2003	$1,015.38
Bulgaria	2,520.00	2002-3	$1,938.46
Chile	7,440.00	2001-03	$5,723.08
Croatia	1,320.00	2003	$1,015.38
Cuba	10,404.33	1993 part; 94-99, 2002-03	$8,003.33
Egypt	2,640.00	2003	$2,030.77
Iceland	1,320.00	2003	$1,015.38
Iran	2,640.00	2003	$2,030.77
Ivory Coast	2,520.00	2002-03	$1,938.46
Kazakhstan	1,320.00	2003	$1,015.38
Nigeria	15,120.00	1990-1997; 1999-2003	$11,630.77
Peru	1,320.00	2003	$1,015.38
Philippines	12,132.00	1991, 94, 96-03; part 95	$9,332.31
Portugal	1,320.00	2003	$1,015.38
Slovakia	2,640.00	2003	$2,030.77
Tunisia	7,320.00	1998-2003	$5,630.77
Turkey	660.00	2003 part	$507.69
Ukraine	7,440.00	2001-03	$5,723.08
Uruguay	2,520.00	2002-03	$1,938.46
Venezuela	1,320.00	2003	$1,015.38
Vietnam	1,320.00	2003	$1,015.38
TOTAL	**86,556.33**		**$66,581.79**

1 US Dollar = 1.30   Swiss Francs at December 31, 2003

The following countries have paid their previous dues in early 2004:
Ivory Coast (2003), Venezuela (2003), Vietnam (2003)

INTERNATIONAL MATHEMATICAL UNION
STATEMENT OF INCOME AND EXPENDITURE
IN SWISS FRANCS – 2003

EXPENDITURE

SCHEDULE A:	BUDGET	ACTUAL
Secretarial help, IMU Office	20,000	24,152
Secretarial help, President	5,000	5,208
Accountant	8,000	8,308
ICMI	15,000	14,867
CDE	7,000	6,948
Office expenses (including postage)	16,000	3,943
Travel expenses of E.C.	30,000	19,096
President's and Secretary's expense	4,000	2,127
Contribution to ICSU	9,500	8,103
IMU Bulletin	5,000	1,336
Audit Fee	7,000	7,695
General Assembly - 2006	4,000	4,000
World Directory of Mathematicians	20,000	0
Contingencies	2,000	0
Subtotal	**152,500**	**105,783**

SCHEDULE B:	BUDGET	ACTUAL
Symposia, Conferences, IMU Lectures	95,000	66,801
ICMI scientific activities	27,000	40,260
CDE scientific activities	40,000	39,706
Program Committee for ICM 06	8,000	22,377
Travel Grants	42,000	42,000
Subvention to ICM 06	28,000	28,000
CEIC scientific activities	25,000	12,662
Subtotal	**265,000**	**251,806**
TOTAL	**417,500**	**357,589**

INCOME		
Membership dues (212 x 1320)	279,840	284,631
ICSU subvention	10,500	13,500
Sales of W.D.M.	14,160	12,583
Special Development Fund	72,000	35,316
Interest on bank accounts	41,000	7,326
TOTAL	**417,500**	**353,356**

International Mathematical Union

Independent Auditors' Report

Financial Statements (Modified Cash Basis) and Additional Information

Year Ended December 31, 2004

Deloitte

**INDEPENDENT   AUDITORS'
REPORT**

We have audited the statement of assets and liabilities – modified cash basis of International Mathematical Union (the "IMU") as of December 31, 2004, and the related statement of income and expenditures – modified cash basis for the year then ended. These financial statements are the responsibility of the IMU's management. Our responsibility is to express an opinion on these financial statements based on our audit. The prior year summarized comparative information has been derived from the IMU's December 31, 2003 financial statements, and in our report dated March 16, 2004, we expressed an unqualified opinion on those financial statements.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the organization's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

As described more fully in Note 1 to the financial statements, these financial statements were prepared in conformity with the accounting practices prescribed or permitted by the International Council of Scientific Unions ("ICSU"), which is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America.

In our opinion, such financial statements present fairly, in all material respects, the assets and liabilities (modified cash basis) of IMU at December 31, 2004, and the income and expenditures (modified cash basis) for the year then ended, on the basis of accounting described in Note 1.

This report is intended solely for the information and use of the board of directors and the members of IMU and for ICSU to whose jurisdiction the IMU is subject and is not intended to be and should not be used by anyone other than these specified parties.

Our audit was conducted for the purposes of forming an opinion on the basic financial statements taken as a whole. The additional information listed in the table of contents is presented for the purposes for additional analysis and is not a required part of the basic financial statements. This additional information is the responsibility of IMU's management. Such information has been subjected to the auditing procedures applied in our audit of the basic financial statements and, in our opinion, is fairly stated in all material respects when considered in relation to the basic financial statements taken as a whole.

March 25, 2005

INTERNATIONAL MATHEMATICAL UNION
Statement of Income and Expenditure For The Year Ended December 31, 2004

I - INCOME	US DOLLARS
Grant from ICSU Fund and US National Academy of Sciences	
Allocation from UNESCO to ICSU Grants Program	
UNESCO Contracts	
Contributions from National Members	$210,271
Contributions from Other Members	
Special Contributions	$24,372
Contracts	
Sales of Publications, Royalties	$3,438
Sales of Scientific Materials	
Bank Interest	$5,730
Gain on Exchange	
Other Income	$74,579
TOTAL INCOME	**$318,390**
II - EXPENDITURES AND TRANSFERS	
A) SCIENTIFIC ACTIVITIES	
General Assembly or equivalent	$3,200
Scientific Meetings: Symposia/ Colloquia/ Working Groups/ Training Courses, etc.	$70,084
Representation at Scientific Meetings	
Data Gathering/ Processing	
Research Projects	
Grants to Individuals/Organizations	$134,265
Other	
Less covered by UNESCO Contracts	
Routine Meetings	
Bureau/ Executive Committee	$15,178
Other	
Publications	$0
B) OTHER ACTIVITIES	
Contribution to ICSU	$6,002
Contribution to other ICSU bodies	$6,100
Activities covered by UNESCO Contracts	
C) ADMINISTRATIVE EXPENSES	
Salaries and Related Expenses	$26,431

CDE Admin Assistant	$13,541
General Office Expenses	$271
Office Equipment	
Audit Fees	$5,725
Bank Charges	$1,536
Loss on Exchange	
TOTAL EXPENDITURES AND TRANSFERS	$282,333
EXCESS OF INCOME OVER EXPENDITURES AND TRANSFERS	$36,057
ACCUMULATED BALANCE AT JANUARY 1, 2004	$422,511
ACCUMULATED BALANCE AT DECEMBER 31, 2004	$458,568

See notes to financial statements.

INTERNATIONAL MATHEMATICAL UNION
ASSETS and LIABILITIES in US$ Dollars
DECEMBER 31, 2004 (WITH COMPARATIVE TOTALS FOR 2003)

	2004		**2003**	
ASSETS				
BANK ACCOUNTS and CASH (Note 2)				
Cash				
Current Accounts	$11,453		$12,409	
Deposit Accounts	$575,214	$586,667	$471,468	$483,877
Prepayments				
Receivables		$1,016		$8,549
TOTAL ASSETS		$587,683		$492,426
LIABILITIES				
Creditors and Accruals		$5,500		$5,500
ACCUMULATED FUNDS (Note 3)				
General Fund				
Beginning of Year Balance	$422,511		$425,645	
Excess Income over Expenditure	$36,057	$458,568	($3,134)	$422,511
Special Development Fund				
Beginning of Year Balance	$31,111		$0	
Provision to ICM 06	$33,600		$31,111	
Expenses	$0	$64,711	$0	$31,111
General Assembly Fund				
Beginning of Year Balance	$6,526		$3,563	
Provision to General Assembly 06	$3,200		$2,963	
Expenses	$0	$9,726	$0	$6,526
World Directory of Mathematicians Fund				
Beginning of Year Balance	$6,038		$34,891	
Provision to W.D.M.	$0		$0	

Expenses	$0	$6,038	($28,853)	$6,038
Fund to ICM 06				
Beginning of Year Balance	$20,740		$0	
Provision to ICM 06	$22,400		$20,740	
Expenses	$0	$43,140	$0	$20,740
		$587,683		$492,426

See notes to financial statements.

INTERNATIONAL MATHEMATICAL UNION

**NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2004**

1. BASIS OF ACCOUNTING

The accompanying financial statements were prepared on the basis of cash receipts and disbursements
modified for scheduled and contractual transactions, i.e., sales of publications receivable and audit fees payable,
in a manner consistent with prior year financial statements. In addition, IMU transfers certain amounts from the General Fund
to the other funds, to set aside amounts budgeted for the expenses of future conferences and meetings. See Note 3.
Further, these financial statements exclude a statement of cash flow.

2. BANK ACCOUNTS and CASH

		2004	**2003**
The amount held with banks is as follows:		US$	US$
PNC Bank	USA		
- Current Account		$11,453	$12,409
- Money Market		$575,214	$471,468
		$586,667	$483,877

3. ACCUMULATED FUNDS

These funds represent the amounts set aside to cover the following:

Provided in Year Ended	2004 General Fund	2004 General Assembly	2004 World Directory	2004 Special Development	2004 Fund to ICM 06
General Fund					
Balance December 31, 2003	$422,511				
Transfer excess income over expenditure	$36,057				
Special Development					
Balance December 31, 2003				$31,111	
Transfer from the General Fund				$33,600	
Expenses					
General Assembly Fund					
Balance December 31, 2003		$6,526			
Transfer from the General Fund		$3,200			
Expenses					
World Directory of Mathematicians Fund					
Balance December 31, 2003			$6,038		
Provision to W.D.M.					
Expenses					
Fund to ICM 06					
Balance December 31, 2003					$20,740
Transfer from the General Fund					$22,400
Expenses					
	$458,568	$9,726	$6,038	$64,711	$43,140

INTERNATIONAL MATHEMATICAL UNION
STATEMENT OF INCOME and EXPENDITURES
FINANCIAL YEARS 2004 and 2003 COMPARED, IN US$ DOLLARS

	<u>2004</u>		<u>2003</u>	
INCOME				
Allocation from UNESCO grant to ICSU	$0		$10,000	
Contributions from National Members	$210,271		$210,838	
Special Contributions	$24,372		$26,160	
Sale of Publications	$3,438		$9,321	
Bank Interest	$5,730		$5,427	
Gain on Exchange	$0		$0	
Other Income	<u>$74,579</u>	$318,390	<u>$0</u>	$261,746
EXPENDITURES AND TRANSFERS				
A. MEETINGS				
Executive Committee	$14,715		$14,145	
Other	$0		$0	
Program Committee	$463		$16,575	
General Assembly	<u>$3,200</u>	$18,379	<u>$2,963</u>	$33,683
B. PUBLICATIONS		$0		$0
C. SCIENTIFIC ACTIVITIES				
ICMI	$22,130		$29,822	
CDE	$80,000		$29,412	
CEIC	$19,841		$9,379	
Travel Grants	$33,600		$31,111	
Conferences	$36,484		$70,223	
Other	<u>$0</u>	$192,055	<u>$0</u>	$169,947
D. ADMINISTRATIVE EXPENSES				
Contribution to ISCU	$6,002		$6,002	
Grant to CTS	$0		$0	
Grant to ICMI	$12,294		$11,012	
Grant to CDE	$6,100		$5,147	
Audit Fees	$5,725		$5,700	
Salaries and related charges	$26,431		$27,903	

Salary CDE Admin Assistant	$13,541		$0	
General office expense	$271		$3,543	
Office Equipment	$0		$0	
Bank charges	$1,536		$1,943	
Loss on exchange	$0	$71,900	$0	$61,250
		$282,333		$264,880

EXCESS (DEFICIT) OF INCOME OVER EXPENDITURE AND TRANSFERS	$36,057	($3,134)
Allocated to General Fund	($36,057)	$3,134

INTERNATIONAL MATHEMATICAL UNION
Statement of Contributions received from members
in the year ended December 31, 2004, in US$ Dollars

MEMBER	PRE 2004	2004
Argentina		$4,233.00
Australia		$3,961.41
Austria		$3,987.34
Bulgaria	$1,012.96	
Canada		$10,360.56
Chile	$1,875.00	
Chinese Math Society, PRC		$4,012.83
Math Society, Taipei		$1,994.49
Croatia	$1,125.90	
Czech Republic		$4,267.93
Denmark		$2,087.00
Finland		$2,040.34
France		$11,446.41
Georgia		$700.00
Germany		$9,852.22
Greece		$1,111.32
Hong Kong		$1,000.92
Hungary		$4,404.40
Iceland	$1,163.57	$1,163.56
India		$7,814.00
Iran	$2,081.71	$2,081.71
Ireland		$2,012.11
Israel		$9,768.17
Italy		$9,717.31
Ivory Coast	$1,041.00	$1,041.00
Japan		$9,960.01
Kazakhstan	$1,106.00	
Korea, Republic of South		$2,025.16
Latvia		$1,020.17
LIthuania	$1,062.19	
Mexico		$2,111.00
Netherlands		$7,506.85
New Zealand		$991.61
Norway		$2,081.50
Poland		$4,083.21

Portugal	$1,035.50	
Romania		$1,016.32
Russia		$9,771.99
Saudi Arabia		$997.41
Serbia & Montenegro		$976.76
Singapore		$1,041.00
Slovakia	$2,212.35	
Slovenia		$1,034.00
South Africa		$2,112.00
Spain		$4,041.33
Sweden		$7,200.75
Switzerland		$7,300.13
Turkey	$528.93	$839.00
Ukraine	$3,636.00	
United Kingdom		$10,560.00
United States		$10,746.00
Uruguay	$960.00	
Venezuela	$978.00	$978.00
Vietnam	$1,000.00	$2,000.00
TOTAL	$20,819.11	$189,452.23

TOTAL CONTRIBUTIONS RECEIVED **$210,271.34**

* Paid 2005 dues in 2004

INTERNATIONAL MATHEMATICAL UNION

DUES ARREARS AS OF DECEMBER 31, 2004

MEMBER	Dues Swiss Francs	YEARS	US$ Dollars
Armenia	2,640.00	2003-04	$2,336.28
Belgium	5,280.00	2004	$4,672.57
Bosnia & Herzegovina	1,320.00	2004	$1,168.14
Brazil	5,280.00	2004	$4,672.57
Bulgaria	2,640.00	2003-04	$2,336.28
Cameroon	1,320.00	2004	$1,168.14
Chile	7,680.00	2002-04	$6,796.46
Croatia	1,320.00	2004	$1,168.14
Cuba	11,724.33	1993 part; 94-99, 2002-04	$10,375.51
Egypt	5,280.00	2003-04	$4,672.57
Georgia	488.00	part 2004	$431.86
Ivory Coast	1,200.00	2002	$1,061.95
Kazakhstan	1,320.00	2004	$1,168.14
Nigeria	16,440.00	1990-1997; 1999-2004	$14,548.67
Peru	2,640.00	2003-04	$2,336.28
Philippines	13,452.00	1991, 94, 96-04; part 95	$11,904.42
Portugal	1,320.00	2004	$1,168.14
Slovakia	2,640.00	2004	$2,336.28
Tunisia	8,640.00	1998-2004	$7,646.02
Turkey	660.00	part 2004	$584.07
Ukraine	5,280.00	2003-04	$4,672.57
Uruguay	2,640.00	2003-04	$2,336.28
TOTAL	**101,204.33**		**$89,561.35**

1 US Dollar = 1.13 Swiss Francs at December 31, 2004

The following countries have paid their previous dues in early 2005:
Brazil, Cameroon

INTERNATIONAL MATHEMATICAL UNION

STATEMENT OF INCOME AND EXPENDITURE IN SWISS FRANCS - 2004

EXPENDITURE

SCHEDULE A:	Budget	Actual
Secretarial help, IMU Office	20,000	22,075
Secretarial help, President	5,000	0
Accountant	8,000	8,771
CDE Admin Assistant	0	16,926
ICMI	15,000	15,368
CDE	7,000	7,625
Office expenses (including postage)	16,000	2,259
Travel expenses of E.C.	30,000	18,394
President's and Secretary's expense	4,000	2,193
Contribution to ICSU	9,500	7,503
IMU Bulletin	5,000	0
Audit Fee	7,000	7,156
General Assembly - 2006	4,000	4,000
World Directory of Mathematicians	20,000	0
Contingencies	2,000	0
Subtotal	**152,500**	**112,269**
Schedule B:	BUDGET	ACTUAL
Symposia, Conferences, IMU Lectures	95,000	17,605
ICMI scientific activities	27,000	27,663
CDE scientific activities	40,000	100,000
Program Committee for ICM 06	8,000	579
Travel Grants	42,000	42,000
Subvention to ICM 06	28,000	28,000
CEIC scientific activities	25,000	24,801
Subtotal	**265,000**	**240,648**
TOTAL	**417,500**	**352,916**
INCOME		
Membership dues (212 x 1320)	279,840	262,839
ICSU subvention	10,500	0
Sales of W.D.M.	14,160	1,270
Sales of Publications	0	3,028
Other Income	0	93,224
Special Development Fund	72,000	30,465
Interest on bank accounts	41,000	7,163
TOTAL	**417,500**	**397,988**

International Mathematical Union

Independent Financial Statements

December 31, 2005

Gunnip & company LLP
Certified Public Accounts

INDEPENDENT AUDITORS' REPORT

To the Board of Directors of
International Mathematical Union

We have audited the accompanying statement of assets and liabilities – modified cash basis of International Mathematical Union (the "IMU") as of December 31, 2005, and the related statement of income and expenditures – modified cash basis for the year then ended. These financial statements are the responsibility of the IMU's management. Our responsibility is to express an opinion on these financial statements based on our audit. The prior year summarized comparative information has been derived from the IMU's December 31, 2004 financial statements, which were audited by other auditors whose opinion dated March 25, 2005, expressed an unqualified opinion on those statements.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

As described in Note 1 to the financial statements, these financial statements were prepared in conformity with the accounting practices prescribed or permitted by the International Council of Scientific Unions ("ICSU"), which is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America.

In our opinion, the financial statements referred to above present fairly, in all material respects, the assets and liabilities – modified cash basis of IMU as of December 31, 2005, and the income and expenditures - modified cash basis for the year then ended on the basis of accounting described in Note 1.

Our audit was conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The additional information listed in the table of contents is presented for the purposes for additional analysis and is not a required part of the basic financial statements. This additional information is the responsibility of IMU's management. Such information has been subjected to the auditing procedures applied in our audit of the basic financial statements and, in our opinion, is fairly stated in all material respects when considered in relation to the basic financial statements taken as a whole.

February 1, 2006

INTERNATIONAL MATHEMATICAL UNION

Statement of Income and Expenditure For The General Fund

For The Year Ended December 31, 2005

I - INCOME	US DOLLARS
Grant from ICSU Fund and US National Academy of Sciences	
Allocation from UNESCO to ICSU Grants Program	
UNESCO Contracts	
Contributions from National Members	$223,549
Contributions from Other Members	
Special Contributions	$26,656
Contracts	
Sales of Publications, Royalties	$4,362
Sales of Scientific Materials	
Bank Interest	$12,180
Gain on Exchange	
Other Income	$59,980
TOTAL INCOME	**$326,727**
II - EXPENDITURES AND TRANSFERS	
A) SCIENTIFIC ACTIVITIES	
General Assembly or equivalent	$3,252
Scientific Meetings: Symposia/ Colloquia/ Working Groups/ Training Courses, etc.	$100,848
Representation at Scientific Meetings	
Data Gathering/ Processing	
Research Projects	
Grants to Individuals/Organizations	$127,437
Other	
Less covered by UNESCO Contracts	
Routine Meetings	
Bureau/ Executive Committee	$34,934
Other	
Publications	$0
B) OTHER ACTIVITIES	
Contribution to ICSU	$6,002
Contribution to other ICSU bodies	$5,776
Activities covered by UNESCO Contracts	
C) ADMINISTRATIVE EXPENSES	
Salaries and Related Expenses	$27,031

CDE Admin Assistant	$53,985
General Office Expenses	$111
Office Equipment	
Audit Fees	$5,200
Bank Charges	$1,802
Loss on Exchange	
TOTAL EXPENDITURES AND TRANSFERS	$366,378
EXCESS EXPENDITURES AND TRANSFERS OVER INCOME	($39,651)
ACCUMULATED BALANCE AT JANUARY 1, 2005	$458,568
ACCUMULATED BALANCE AT DECEMBER 31, 2005	$418,917

See notes to financial statements.

INTERNATIONAL MATHEMATICAL UNION
ASSETS and LIABILITIES in US$ Dollars
DECEMBER 31, 2005 (WITH COMPARATIVE TOTALS FOR 2004)

	2005		2004	
ASSETS				
BANK ACCOUNTS and CASH (Note 2)				
Cash				
Current Accounts	$12,500		$11,453	
Deposit Accounts	$549,789	$562,289	$575,214	$586,667
Prepayments				
Receivables		$45,406		$1,016
TOTAL ASSETS		$607,695		$587,683
LIABILITIES				
Creditors and Accruals		$5,000		$5,500
ACCUMULATED FUNDS (Note 3)				
General Fund				
Beginning of Year Balance	$458,568		$422,511	
Excess Expenditure over Income	($39,651)	$418,917	$36,057	$458,568
Special Development Fund				
Beginning of Year Balance	$64,711		$31,111	
Provision to ICM 06	$34,146		$33,600	
Expenses	$0	$98,857	$0	$64,711
General Assembly Fund				
Beginning of Year Balance	$9,726		$6,526	
Provision to General Assembly 06	$3,252		$3,200	
Expenses	$0	$12,978	$0	$9,726
World Directory of Mathematicians Fund				
Beginning of Year Balance	$6,038		$6,038	
Provision to W.D.M.	$0		$0	
Expenses	$0	$6,038	$0	$6,038
Fund to ICM 06				
Beginning of Year Balance	$43,140		$20,740	
Provision to ICM 06	$22,765		$22,400	
Expenses	$0	$65,905	$0	$43,140
		$607,695		$587,683

See notes to financial statements.

INTERNATIONAL MATHEMATICAL UNION

NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2005

1. BASIS OF ACCOUNTING

The accompanying financial statements were prepared
on the basis of cash receipts and disbursements
modified for scheduled and contractual transactions,
i.e., sales of publications & grants receivable and audit
fees payable, in a manner consistent with

prior year financial statements. In addition, IMU
transfers certain amounts from the General Fund

to other funds, to set aside amounts budgeted for the
expenses of future conferences and meetings.
See Note 3.

Further, these financial statements exclude a statement
of cash flow.

2. BANK ACCOUNTS and CASH

		2005	2004
The amount held with banks is as follows:		<u>US$</u>	<u>US$</u>
PNC Bank	USA		
- Current Account		$12,500	$11,453
- Money Market		<u>$549,789</u>	<u>$575,214</u>
		<u>$562,289</u>	<u>$586,667</u>

3. ACCUMULATED FUNDS

These funds represent the amounts set aside to cover the following:

Provided in Year Ended	2005 General Fund	2005 General Assembly	2005 World Directory	2005 Special Development	2005 Fund to ICM 06
General Fund					
Balance December 31, 2004	$458,568				
Transfer excess expenditure over income	($39,651)				
Special Development					
Balance December 31, 2004				$64,711	
Provision to ICM 06 Expenses				$34,146	
General Assembly Fund					
Balance December 31, 2004		$9,726			
Provision to General Assembly 06 Expenses		$3,252			
World Directory of Mathematicians Fund					
Balance December 31, 2004			$6,038		
Provision to W.D.M. Expenses					
Fund to ICM 06					
Balance December 31, 2004					$43,140
Provision to ICM 06 Expenses					$22,765
	$418,917	$12,978	$6,038	$98,857	$65,905

INTERNATIONAL MATHEMATICAL UNION
STATEMENT OF INCOME and EXPENDITURE
FINANCIAL YEARS 2005 and 2004 COMPARED, IN US$ DOLLARS

	2005		**2004**	
INCOME				
Allocation from UNESCO grant to ICSU	$0		$0	
Contributions from National Members	$223,549		$210,271	
Special Contributions	$26,656		$24,372	
Sale of Publications	$4,362		$3,438	
Bank Interest	$12,180		$5,730	
Gain on Exchange	$0		$0	
Other Income	$59,980	$326,727	$74,579	$318,390
EXPENDITURES AND TRANSFERS				
A. MEETINGS				
Executive Committee	$29,579		$14,715	
Other	$0		$0	
Program Committee	$5,355		$463	
General Assembly	$3,252	$38,186	$3,200	$18,378
B. PUBLICATIONS		$0		$0
C. SCIENTIFIC ACTIVITIES				
ICMI	$21,828		$22,130	
CDE	$73,709		$80,000	
CEIC	$19,776		$19,841	
Travel Grants	$34,146		$33,600	
Conferences	$66,702		$36,484	
Other	$0	$216,161	$0	$192,055
D. ADMINISTRATIVE EXPENSES				
Contribution to ISCU	$6,002		$6,002	
Grant to CTS	$0		$0	
Grant to ICMI	$12,124		$12,294	
Grant to CDE	$5,776		$6,100	
Audit Fees	$5,200		$5,725	
Salaries and related charges	$27,031		$26,431	
Salary CDE Admin Assistant	$53,985		$13,541	

General office expense		$111		$271
Office Equipment		$0		$0
Bank charges		$1,802		$1,536
Loss on exchange	$0	$112,031	$0	$71,900
		$366,378		$282,333

EXCESS (DEFICIT) OF INCOME OVER		
EXPENDITURES AND TRANSFERS	($39,651)	$36,057
Allocated to General Fund	$39,651	($36,057)

INTERNATIONAL MATHEMATICAL UNION

Statement of Contributions received from members in the year ended
December 31, 2005, in US$ Dollars

MEMBER	PRE 2005	2005
Argentina		$2,099.00*
Armenia	$2,056.00	
Australia		$4,207.83
Belgium	$4,319.00	
Brazil	$4,256.45	$6,714.69
Bulgaria	$2,007.62	$1,003.82
Cameroon	$1,083.92	$1,083.92
Canada		$10,478.90
Chile	$5,843.41	
Chinese Math Society, PRC		$3,839.84
Math Society, Taipei		$2,112.33
Denmark		$2,112.04
Egypt	$3,837.21	$1,918.60
Estonia		$1,089.83
Finland		$2,065.57
France		$10,107.41
Georgia	$300.00	
Germany		$9,599.56
Greece		$975.03
Hong Kong		$1,020.00
Hungary		$1,805.40
Iceland		$1,006.00
India		$6,819.70
Iran		$2,163.29
Ireland		$2,218.30
Israel		$10,291.60
Italy		$9,957.75
Ivory Coast	$953.00	$2,089.00*
Japan		$9,975.82
Korea, Republic of South		$2,120.99
Latvia		$990.02
Lithuania		$1,049.00

Mexico		$2,030.00
Netherlands		$7,809.24
New Zealand		$1,073.35
Norway		$2,019.35
Pakistan		$983.35
Poland		$4,244.71
Portugal	$975.03	$975.04
Romania		$1,044.14
Russia		$10,603.75
Saudi Arabia		$1,052.35
Serbia & Montenegro		$982.79
Singapore		$1,068.57
Slovakia		$2,044.00
Slovenia		$1,053.11
South Africa		$2,185.25
Spain		$7,341.49
Sweden		$6,955.60
Switzerland		$7,294.35
Tunisia		$1,041.58
Turkey	$483.02	$521.95
United Kingdom		$10,688.93
United States		$11,364.00
Uruguay	$1,117.00	
Venezuela		$1,025.21
TOTAL	$27,231.66	$196,317.35

TOTAL CONTRIBUTIONS RECEIVED   **$223,549.01**

* Paid 2006 dues in 2005

INTERNATIONAL MATHEMATICAL UNION

DUES ARREARS AS OF DECEMBER 31, 2005

MEMBER	Dues Swiss Francs	YEARS	US$ Dollars
Armenia	1,320.00	2005	$1,007.63
Belgium	5,280.00	2005	$4,030.53
Bosnia & Herzegovina	2,640.00	2004-5	$2,015.27
Chile	2,640.00	2005	$2,015.27
Croatia	2,640.00	2004-05	$2,015.27
Cuba	13,044.33	1993 part; 94-99, 2002-05	$9,957.50
Georgia	1,320.00	2005	$1,007.63
Hungary	2,840.00	part 2005	$2,167.94
Kazakhstan	2,640.00	2004-05	$2,015.27
Nigeria	17,760.00	1990-1997; 1999-2005	$13,557.25
Peru	3,960.00	2003-05	$3,022.90
Philippines	14,772.00	1991, 94, 96-05; part 95	$11,276.34
Slovakia	2,640.00	2004	$2,015.27
Tunisia	8,640.00	1998-2004	$6,595.42
Turkey	660.00	part 2005	$503.82
Ukraine	7,920.00	2003-05	$6,045.80
Uruguay	2,640.00	2004-05	$2,015.27
TOTAL	**93,356.33**		**$71,264.37**

1 US Dollar = 1.31 Swiss Francs at December 31, 2005

The following countries have paid their previous dues in early 2006:
Uruguay (2004), Hungary (2005)

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INTERNATIONAL MATHEMATICAL UNION
STATEMENT OF INCOME AND EXPENDITURE
IN SWISS FRANCS - 2005

EXPENDITURE

SCHEDULE A:	Budget	Actual
Secretarial help, IMU Office	20,000	15,375
Secretarial help, President	5,000	0
Accountant	8,000	15,995
CDE Admin Assistant	0	66,402
ICMI	15,000	14,913
CDE	7,000	7,104
Office expenses (including postage)	16,000	2,353
Travel expenses of E.C.	30,000	36,382
President's and Secretary's expense	4,000	1,878
Contribution to ICSU	9,500	7,382
IMU Bulletin	5,000	0
Audit Fee	7,000	6,396
General Assembly - 2006	4,000	4,000
World Directory of Mathematicians	20,000	0
Contingencies	2,000	0
Subtotal	**152,500**	**178,181**

Schedule B:	BUDGET	ACTUAL
Symposia, Conferences, IMU Lectures	95,000	54,043
ICMI scientific activities	27,000	26,848
CDE scientific activities	40,000	90,662
Program Committee for ICM 06	8,000	6,587
Travel Grants	42,000	42,000
Subvention to ICM 06	28,000	28,000
CEIC scientific activities	25,000	24,324
Subtotal	**265,000**	**272,464**
TOTAL	**417,500**	**450,645**

INCOME		
Membership dues (212 x 1320)	279,840	274,965
ICSU subvention	10,500	0
Sales of W.D.M.	14,160	524
Sales of Publications	0	4,841

Other Income	0	73,775
Special Development Fund	72,000	32,787
Interest on bank accounts	41,000	14,981
TOTAL	**417,500**	**401,874**

Actual US dollars Statement of Income and Expenditure converted to Swiss Francs, using the average 2005 rate calculated from the UN Operational Rates of Exchange of 1 US Dollar =1.23 Swiss Francs. Except for $ allocated to "Funds": Special Development, General Assembly & ICM 06 used actual budget $'s.

International Commission on
Mathematical Instruction

ACCOUNTS

For the years ended December 31
2002, 2003, 2004 and 2005

ICMI Accounts 2002

1 January – 31 December

BALANCE AS OF JANUARY 1:

ICMI	• **Canadian Dollars**	**96 309,39**
	• **US Dollars**	**71 880,27**

Solidarity Fund (US Dollars)	**34 955,41**

Canadian Dollars Account:

Income:

balance 2001	96 309,39
transfer from USD account (corresponding to 21 796,72 USD)	33 955,25
interest	2 550,43
total	132 815,07

Expenditure:

ICMI Study 11: purchase of 9 extra copies of the Study Volume	971,11
ICMI Study 12: Study Conference (Dec. 2001), Melbourne, travel of IPC members	3 762,10
ICMI Study 13: Study Conference, Hong Kong, travel & local expenses of Secretary-General and speakers	4 225,91
ICMI Study 15: IPC meeting, Prague, travel & local expenses of IPC	14 798,77
ICMI EC meeting, Paris	14 728,93
ICM02: participation of the President and Secretary-General to IMU General Assembly[1]	2 547,36
ICSU/CCBS International Conference: IPC meeting, Rio de Janeiro, travel and local expenses of Secretary-General[2]	3 127,51
EMF 2003: IPC meeting, Paris, travel and local expenses of IPC	2 770, 73
translation of articles for the *ICMI Bulletin*	400,00
bank charges (checks and foreign transfers)	40,20
ICMI balance 2002	**85 442,45**
total	132 815,07

US Dollars Account:

Income:

ICMI balance 2001	71 880,27
IMU (Schedule A: Administration — 11 000,00 CHF)	7 333,33
IMU (Schedule B: Scientific Activities — 22 000,00 CHF)	14 666,67
ICMI interest	1 172,79
Solidarity Fund balance 2001[3)]	*34 955,41*
contribution to the **Solidarity Fund**, by Joel Schneider, New York	100,00
Solidarity Fund interest	572,34
total	130 680,81

Expenditure:

ICMI Study 13: Study Conference, Hong Kong, travel & local expenses of speakers	690,00
ICMI Study 15: IPC meeting, Prague, travel & local expenses of IPC	3 459,88
ICMI EC meeting, Paris, member's travel	1 541,81
ICM02: participation of the President and Secretary-General to IMU General Assembly[1)]	1 932,50
grant to XI CIAEM (ICMI Regional Conference)	2 500,00
grant to ELHEM (ICMI Regional Conference)	2 500,00
transfer to CAD account (corresponding to 33 955,25 CAD)	21 796,72
bank charges	47,45
ICMI balance 2002	**60 584,70**
Solidarity Fund balance 2002	***35 627,75***
total	130 680,81

Average exchange rate, 2002   1 USD   =   1,57 CAD

Notes:

1. According to a recent agreement with IMU, the President and Secretary-General of ICMI are *ex officio* invited observers to the General Assembly of IMU.

2. ICMI has collaborated with the Committee on Capacity Building in Science (CCBS) of ICSU to the organisation of an International Conference on Science and Mathematics Education which took place in Rio de Janeiro in September 2002 on the occasion of the General Assembly of ICSU.

3. As a consequence of the ICMI General Assembly and Executive Committee meetings held in Québec, August 1992, it was decided to establish an ICMI Solidarity Fund based on private contributions. The **Solidarity Fund** was mounted to assist mathematics education and mathematics educators in less affluent countries. Its money can only be spent (by a committee chaired by Professor Jean-Pierre Kahane) to serve such purposes and is therefore **not** part of ICMI's general resources. However, the appearance of the Solidarity Fund on the ICMI accounts is due to the wish to keep ICMI's number of different bank accounts low. The accounts exhibit the ICMI balance and the Solidarity Fund balance separately.

4. In addition to the amounts displayed directly in the accounts, considerable extra sums should appear but do not and cannot. In particular Université Laval, the Secretary-General's home institution, has contributed in 2002 a substantial support to ICMI's work (e.g. telephone and fax, e-mail facilities, postage, all the printing and distribution costs of the Bulletin, secretarial help of various sorts, plus a partially reduced teaching load for the Secretary-General). It is estimated that the total contribution of Université Laval is equivalent to more than 8 000 USD. The ICMI Executive Committee expresses its gratitude for this generous support.

The Executive Committee's thanks also go to the institutions of its other members, as well as to those of some of the individuals involved in the preparation of ICMI activities. These institutions, too, have given substantial support to ICMI's work in a variety of ways. For instance, in many cases these institutions have paid travel and other expenses related to participation in meetings (EC, IPC), and so forth. This was the case in particular for the Conference of ICMI Study 13 held at the University of Hong Kong. However it appears that this type of "invisible" support is becoming more and more problematic, due to the financial situation of several higher education institutions around the world, thus putting a severe constraint on ICMI finances in the long run.

Bernard R. Hodgson, Secretary-General
Université Laval, Québec, Canada
5 March 2003

ICMI Accounts 2003

1 January – 31 December

BALANCE AS OF JANUARY 1:

ICMI	• **Canadian Dollars**	**85 442,45**
	• **US Dollars**	**60 584,70**

Solidarity Fund (US Dollars)   **35 627,75**

Canadian Dollars Account:

Income:

balance 2002	85 442,45
transfer from USD account (corresponding to 16 976,10 USD)	22 068,93
interest	1 599,76
total	109 111,14

Expenditure:

ICMI Study 14: IPC core committee meeting, Kassel, travel & local expenses	5 525,47
ICMI Study 16: IPC meeting, Modena, travel & local expenses of IPC	16 607,88
ICMI EC meeting, Québec	18 838,29
site visits for ICME-11[1]	9 063,78
review of the ICMI Study Programme[2]	4 718,70
EMF 2003, Tozeur, travel and local expenses of Secretary-General	2 139,55
symposium on *L'Enseignement Math.* (2000), purchase of 35 copies of the Proceedings	1 881,50
translation of articles for the *ICMI Bulletin*	300,00
design work on a logo for ICMI	1 100,00
transfer to USD account (corresponding to 100,00 USD)	140,15
bank charges (checks and foreign transfers)	134,60
ICMI balance 2003	48 661,22
total	109 111,14

US Dollars Account:

Income:

ICMI balance 2002	60 584,70
IMU (Schedule A: Administration — 15 000,00 CHF) [3]	11 012,50
IMU (Schedule B: Scientific Activities — 27 000,00 CHF) [3]	19 822,50
donation to ICMI from the Korean ICMI Sub-Commission [1]	1 000,00
transfer from CAD account (corresponding to 140,15 CAD)	100,00
ICMI interest	1 447,25
Solidarity Fund balance 2002 [4]	*35 627,75*
Solidarity Fund interest	851,07
total	130 445,77

Expenditure:

ICMI Study 14: IPC core committee meeting, Kassel, member's travel	952,70
ICMI EC meeting, Québec, members' travel	1 719,71
site visits for ICME-11 [1]	3 023,59
grant to IOWME [5]	400,00
grant to EMF 2003 (ICMI Regional Conference)	3 000,00
transfer to CAD account (corresponding to 22 068,93 CAD)	16 976,10
ICMI balance 2003	**67 894,85**
Solidarity Fund balance 2003	*36 478,82*
total	130 445,77

Average exchange rate, 2003   1 USD   =   1,40 CAD

Notes:

1. The ICMI Executive Committee has organised site visits to the two countries who presented a formal bid to host ICME-11, Mexico and Korea. The ICMI EC was represented by three of its members on each occasion. These visits were supported by the host countries as regards the local expenses of the visitors. Moreover the Korean Sub-Commission for ICMI made a generous donation to ICMI of 1000 USD which reduced the impact of the travel costs of the visiting EC members.

2. The ICMI EC has launched in 2003 a review of the ICMI Study Programme. The review is conducted by Professor Stephen Lerman, of the London South Bank University. ICMI has contributed the equivalent of 3500 USD to support this review.

3. At the General Assembly of the International Mathematical Union held in Shanghai in August 2002, it was decided to increase the annual support given by IMU to ICMI for the period 2003-2006. The previous amounts were respectively 11 000 CHF for Schedule A and 22 000 for Schedule B.

4. As a consequence of the ICMI General Assembly and Executive Committee meetings held in Québec, August 1992, it was decided to establish an ICMI Solidarity Fund based on private contributions. The **Solidarity Fund** was mounted to assist mathematics education and mathematics educators in less affluent countries. Its money can only be spent to serve such purposes and is therefore **not** part of ICMI's general resources. However, the appearance of the Solidarity Fund on the ICMI accounts is due to the wish to keep ICMI's number of different bank accounts low. The accounts exhibit the ICMI balance and the Solidarity Fund balance separately.

5. ICMI has contributed this amount to facilitate the conception and implementation of a new website for IOWME, one of ICMI Affiliated Study Groups.

6. In addition to the amounts displayed directly in the accounts, considerable extra sums should appear but do not and cannot. In particular Université Laval, the Secretary-General's home institution, has contributed in 2003 a substantial support to ICMI's work (e.g. telephone and fax, e-mail facilities, postage, the printing and distribution costs of the Study 14 Discussion Document, secretarial help of various sorts, plus a partially reduced teaching load for the Secretary-General). It is estimated that the total contribution of Université Laval is equivalent to more than 8 000 USD. The ICMI Executive Committee expresses its gratitude for this generous support.

The Executive Committee's thanks also go to the institutions of its other members, as well as to those of some of the individuals involved in the preparation of ICMI activities. These institutions, too, have given substantial support to ICMI's work in a variety of ways, for instance by covering travel and other expenses related to participation in meetings (EC, IPC). This was the case in particular for the meeting of the International Programme Committee of ICMI Study 16 held at the University of Modena. However this type of "invisible" support has become in recent years more and more problematic, due to the financial situation of several higher education institutions around the world, thus putting a severe constraint on ICMI finances.

Bernard R. Hodgson, Secretary-General
Université Laval, Québec, Canada
14 February 2004

ICMI Accounts 2004

1 January – 31 December

BALANCE AS OF JANUARY 1:

ICMI	• **Canadian Dollars**	**48 661,22**
	• **US Dollars**	**67 894,85**

Solidarity Fund (US Dollars) *36 478,82*

Canadian Dollars Account:

Income:

balance 2003	48 661,22
IMU (Schedule A: Administration — 15 000,00 CHF) [1]	15 731,79
IMU (Schedule B: Scientific Activities — 27 000,00 CHF) [1]	28 317,21
interest	561,11
total	93 271,33

Expenditure:

ICMI Study 14: Study Conf. (Feb. 2004), Dortmund, travel and local expenses of IPC	3 893,62
ICMI Study 15: IPC meeting, Copenhagen, local expenses of IPC	270,46
ICMI Study 17: IPC meeting, London, travel & local expenses of IPC[2]	4 979,13
ICMI EC meeting, Dortmund	5 798,96
ICMI EC meeting, Copenhagen	19 303,04
OECD meeting, travel and local expenses of Secretary-General[3]	1 558,07
EMF 2006: IPC meeting, Paris, travel and local expenses of Secretary-General	2 921,40
UNESCO/ICMI math exhibition, Paris, local expenses of Secretary-General[4]	198,86
completion of the artwork on ICMI logo	1 200,00
Klein and Freudenthal ICMI Awards: certificates and medals	883,37
bank charges (checks and foreign transfers)	54,00

ICMI balance 2004 **52 210,42**

total 93 271,33

US Dollars Account:

Income:

ICMI balance 2003	67 894,85
IMU Grant for ICME-10	11 000,00
IMU Grant for the UNESCO/ICMI math exhibition	1 000,00
ICMI interest	701,05
Solidarity Fund balance 2003[5)]	*36 478,82*
Solidarity Fund interest	348,31
total	<u>117 423,03</u>

Expenditure:

ICMI Study 15: IPC meeting, Copenhagen, local expenses of IPC	120,00
ICMI Study 17: IPC meeting, London, travel of IPC members[2)]	2 970,00
ICMI EC meeting, Dortmund	2 835,00
ICMI EC meeting, Copenhagen	660,00
EMF 2006: IPC meeting, Paris, travel of an IPC member	500,00
grant to 1st African Regional Congress on Math education (ICMI Regional Conference)	3 000,00
grant to UNESCO/ICMI math exhibition	10 000,00
transfer to UNESCO/ICMI math exhibition of IMU grant	1 000,00
transfer to ICME-10 of IMU grant	11 000,00
ICMI balance 2004	**48 510,90**
Solidarity Fund balance 2004	*36 827,13*
total	<u>117 423,03</u>

Average exchange rate, 2004   1 USD   =   1,30 CAD

Notes:

1. Considering the fact that the value of the US dollar has in recent years substantially diminished with respect to many currencies, it was decided in 2004 that the annual grant of IMU would be given to ICMI in Canadian dollars, as this is the currency through which a majority of ICMI expenses are paid.

2. The International Programme Committee for the seventeenth ICMI Study on *Digital technologies and mathematics teaching and learning: Rethinking the terrain* met at the Institute of Education of the University of London in April 2004. The costs of this meeting were substantially reduced by a generous grant of 2000 £ from the Royal Society.

3. At the invitation of the Organisation for Economic Co-operation and Development (OECD), ICMI has taken part in the Meeting of OECD Education Ministers held in Dublin on March 18-19, 2004. The Secretary-General then represented the Commission.

4. On the occasion of a trip already planned to Paris, the Secretary-General expanded his stay in order to attend the official opening at the Maison des métallos (Mairie de Paris) of the mathematics exhibition "Experiencing Mathematics", jointly sponsored by UNESCO and ICMI.

5. As a consequence of the ICMI General Assembly and Executive Committee meetings held in Québec, August 1992, an **ICMI Solidarity Fund** has been established. This Solidarity Fund, which is based on private contributions, was mounted to assist mathematics education and mathematics educators in less affluent countries. Its money can only be spent to serve such purposes and is therefore **not** part of ICMI's general resources. However, the appearance of the Solidarity Fund on the ICMI accounts is due to the wish to keep ICMI's number of different bank accounts low. The accounts exhibit the ICMI balance and the Solidarity Fund balance separately.

6. In addition to the amounts displayed directly in the accounts, considerable extra sums should appear but do not and cannot. In particular Université Laval, the Secretary-General's home institution, has contributed in 2004 a substantial support to ICMI's work (e.g. telephone and fax, e-mail facilities, postage, the printing and distribution costs of the ICMI Bulletin, secretarial help of various sorts, plus a partially reduced teaching load for the Secretary-General). It is estimated that the total contribution of Université Laval is equivalent to more than 8 000 USD. The ICMI Executive Committee expresses its gratitude for this generous support.

The Executive Committee's thanks also go to the institutions of its other members, as well as to those of some of the individuals involved in the preparation of ICMI activities. These institutions have given substantial support to ICMI's work in a variety of ways, for instance by covering travel and other expenses related to participation in meetings (Executive Committee, International Programme Committees). This was the case in particular for the expenses of the IPC members for the conference of Study 14, held in Dortmund, as well as the meeting of the IPC of ICMI Study 17 held in London. However this type of "invisible" support has become in recent years more and more problematic, due to the financial situation of several higher education institutions around the world, thus putting a severe constraint on ICMI finances.

Bernard R. Hodgson, Secretary-General
Université Laval, Québec, Canada
26 April 2005

ICMI Accounts 2005

1 January – 31 December

BALANCE AS OF JANUARY 1:

ICMI	• **Canadian Dollars**	**52 210,42**
	• **US Dollars**	**48 510,90**

Solidarity Fund (US Dollars)   *36 827,13*

Canadian Dollars Account:

Income:

balance 2004	52 210,42
IMU (Schedule A: Administration — 15 000,00 CHF) [1]	14 173,93
IMU (Schedule B: Scientific Activities — 27 000,00 CHF) [1]	25 513,07
donation to ICMI from the local organizers of Study 15 Conference[2]	5 624,28
interest	948,58
total	98 470,28

Expenditure:

ICMI Study 15: Study Conference (May 2005), Águas de Lindóia, travel of IPC[2]	3 184,85
ICMI Study 17: IPC meeting, London (April 2004) [3]	418,32
ICMI EC meeting, Copenhagen (July 2004)[4]	2 879,87
ICMI EC meeting, Johannesburg (June 2005)	3 840,57
ICMI EC meeting, New Delhi (December 2005)	6 016,61
ICMI Centennial: preliminary meeting, travel and local expenses of Secretary-General[5]	1 693,53
ICME-11: IPC meeting, México, October, expenses of Secretary-General	154,02
Klein and Freudenthal ICMI Awards: medals[6]	773,04
translation of articles for the *ICMI Bulletin*	220,00
transfer to USD account (corresponding to 1 160,34 USD)	1 425,37
bank charges (checks and foreign transfers)	94,00

ICMI balance 2005   **77 770,10**

total   98 470,28

US Dollars Account:

Income:

ICMI balance 2004	48 510,90
return payment of loan from ICME-10[7]	7 500,00
donation to ICMI from ICME-10[8]	2 339,66
transfer from CAD account (corresponding to 1 425,37 CAD)	1 160,34
ICMI interest	744,72
Solidarity Fund balance 2004[9]	*36 827,13*
Solidarity Fund interest	497,30
total	<u>97 580,05</u>

Expenditure:

ICMI Study 15: Study Conference (May 2005), Águas de Lindóia, travel of IPC[2]	2 390,00
ICMI EC meeting, Johannesburg (June 2005)	2 996,00
ICMI EC meeting, New Delhi (December 2005)	3 970,00
ICMI balance 2005	**50 899,62**
Solidarity Fund balance 2005	*37 324,43*
total	<u>97 580,05</u>

Average exchange rate, 2005   1 USD   =   1,21 CAD

Notes:

1.   Considering the fact that the value of the US dollar has in recent years substantially diminished with respect to many currencies, the decision made in 2004 to have the annual grant of IMU given to ICMI in Canadian dollars was maintained in 2005, as this is the currency through which a majority of ICMI expenses are paid.

2.   The Local Organising Committee of the conference of the fifteenth ICMI Study on *The Professional Education and Development of Teachers of Mathematics*, held in Águas de Lindóia, Brasil, generously supported the participation of the members of the International Programme Committee by covering the local costs of the IPC and also by making a donation of 5 624,28 CAD to ICMI, corresponding almost entirely the travel expenses of IPC members incumbent upon ICMI.

3. Costs, reimbursed only in 2005, for the participation of one member of the International Programme Committee of ICMI Study 17 to the IPC meeting held in London in April 2004.

4. Some of the local costs for the meeting of the Executive Committee of ICMI held in Copenhagen in July 2004 on the occasion of ICME-10 were reimbursed by ICMI in 2005 as part of the final accounting between ICMI and ICME-10.

5. The Secretary-General met in February 2005 with the chair of the International Programme Committee for the celebration of the centennial of ICMI, and other members of the IPC taking part in the Fourth Conference of the European Society for Research in Mathematics Education (CERME 4) in Sant Feliu de Guíxols, Spain.

6. In recognition of the work done for ICMI, a student from École Boulle (Paris), where the medals accompanying the ICMI Awards were designed, was invited to Copenhagen to present the medals to the ICME-10 participants. The local expenses, covered by ICMI, were reimbursed to ICME-10 in 2005 as part of the final accounting between ICMI and ICME-10.

7. Reimbursement in 2005 of an interest-free loan of 7 500 USD made in 2000 to ICME-10.

8. The Local Organising Committee of ICME-10 made in 2005 a generous donation of 2 339,66 USD to ICMI as part of the final accounting between ICMI and ICME-10.

9. The assets of the **ICMI Solidarity Fund**, established in 1992, are kept, on the ICMI accounts, separately from ICMI's general resources.

10. In addition to generous donations received in 2005 from the organisers of ICME-10 and of the Study Conference of ICMI Study 15, ICMI has been financially supported, directly and indirectly, by various bodies and institutions. In particular the Secretary-General's home institution, Université Laval, has contributed in 2005 a substantial support to ICMI's work of the order of 8 000 USD (e.g. through the printing and distribution costs of the ICMI Bulletin, plus a partially reduced teaching load). The same is true of other members of the Executive Committee as well as some of the individuals involved in the programme committee of ICMI activities, as their home institutions could partially cover their travel and other expenses related to their participation in meetings. The ICMI Executive Committee expresses its gratitude for this generous support.

However, as already mentioned in previous financial reports, this type of "invisible" support has become more and more problematic, due to the financial situation of several higher education institutions around the world, thus putting a severe constraint on ICMI finances.

Bernard R. Hodgson, Secretary-General
Université Laval, Québec, Canada
10 May 2006

INTERNATIONAL MATHEMATICAL UNION

GRANT and SPECIAL DEVELOPMENT CONTRIBUTIONS RECEIVED
Years 2002-2005 In Swiss Francs

	YEAR 2002	YEAR 2003	YEAR 2004	YEAR 2005
Special Development Contributions:				
American Mathematical Society	37,085	27,488	23,296	21,923
German Mathematical Society				3,611
Het Wiskundig Genootschap Netherlands		6,904		
London Mathematical Society	7,900		6,215	6,074
Mathematcial Society of Japan	23,135			
Unione Matematica Italiana	1,067	924	954	1,179
Total Special Development Contributions	69,187	35,316	30,465	32,787
ICSU Subvention	23,700	13,500	0	0
Able Grant			56,225	55,325
London Mathematical Society Grant			18,249	
Institute for Advanced Study Grant			18,750	
American Mathematical Society Grant				18,450
Total Grants & Special Development	92,887	48,816	123,689	106,562

Funds to be received in 2006 for Travel Grants for ICM06
US National Committee for Math	26,000	US
European Mathematical Society	2,600	Euro

Grants awarded in 2006 for Developing Countries, income & expenses being handled by LMS:
Nuffield Foundation	105,000 GBP	2 year grant
Leverhulme Trust	150,000 GBP	3 year grant

INTERNATIONAL MATHEMATICAL UNION
SPECIAL DEVELOPMENT FUND

Contributions Received for 2003-
in US$ Dollars

Date		Description
02/11/03	20,361.50	American Mathematical Society
09/19/03	5,114.12	Het Wiskundig Genootschap Netherlands
09/22/03	684.97	Unione Matematica Italiana
Total	**26,160.59**	

Contributions Received for 2004-
in US$ Dollars

Date		Description
02/04/04	18,636.50	American Mathematical Society
07/09/04	763.49	Unione Matematica Italiana
08/27/04	4,972.00	London Mathematical Society
Total	**24,371.99**	

Contributions Received for 2005 -
in US$ Dollars

Date		Description
02/08/05	17,823.75	American Mathematical Society
04/13/05	4,938.55	London Mathematical Society
10/17/05	958.16	Unione Matematica Italiana
12/02/05	2,936.00	German Mathematical Society
Total	**26,656.46**	

Contributions Received for 2006 -
in US$ Dollars

Date		Description
03/07/06	15,153.98	American Mathematical Society
04/27/06	16,697.29	Mathematical Society of Japan
Total	**31,851.27**	

| **Total 03-06** | **109,040.31** | |

World Directory of Mathematicians

The IMU Executive Committee voted to discontinue the publication of the World Directory of Mathematicians. Therefore, the last directory published was in 2002. However, the IMU continues to sell the previous directories.

2002
12th Edition	US $3,386
11th Edition	83

2003
12th Edition	US$ 8,357
11th Edition	159
10th Edition	33

2004
12th Edition	US $1,069
11th Edition	-53

2005
12th Edition	US$ 426