

World Mathematical Year 2000

Newsletter
8
Autumn 1999

EDITORIAL

This issue, number 8, of the latest news concerning 'World Mathematical Year 2000' is the last one before the year 2000 itself, and so maybe it is time for a first assessment of WMY2000. Remember that the Newsletter for WMY 2000 was launched by J.-L. Lions when he was the IMU President. It first appeared in 1993, with H. Gispert and M. Theis publishing the first two issues. Then in 1994, during the International Congress of Mathematicians in Zurich, J.-L. Lions decided to constitute an international editorial board for the Newsletter and to arrange a much wider dissemination of information concerning the World Mathematical Year, in particular concerning meetings organized specially in the year 2000. WMY2000 received formal sponsorship from UNESCO at that body's meeting in Rio de Janeiro in 1992.

The Agenda published on page 3 and 4 of the current Newsletter gives an idea of the timing of events for WMY2000 in different countries. The details of programmes are not given, but we can say that the three aims of the Rio's Declaration will be fulfilled. There exist many possibilities within the framework of these aims, which were :

- a. The big challenges in Mathematics for the next century;
- b. Mathematics and Development;
- c. Images of Mathematics.

Reading the Agenda we can see that the borders between the three aims are not watertight. For instance the Los Angeles Meeting organised by the American Mathematical Society will be devoted to the first aim, but it will include talks on the second aim; and the 9th International Congress on Mathematical Education will

be focused on the second aim, but will deal with the first and third aims also. It appears that the « Images of Mathematics » aim of WMY2000 is the most difficult one to tackle, but various approaches to it have been adopted; for instance, the European Mathematical Society has launched a very interesting initiative to organize a poster campaign in subways of different cities about Mathematics - on the model of a previous world-wide campaign concerning Poetry. In particular, London, Paris, Buenos Aires, Brussels, Montreal, etc. have worked on the organization of this campaign; we hope that many other cities and towns will join this project. More precise information of this campaign will be given in future issues of the Newsletter in 2000.

What are our future projects? We hope to publish in 2000 four issues of the Newsletter 'WMY 2000', with the support of the mathematical department of UNESCO; we thank Professor S. Raither for his help and advice in this. We want to

support all mathematical societies, national or local committees working on preparations for the World Mathematical Year. We think that all mathematicians will be aware of the fundamental place of mathematics in the cultural, economic and social life of each country, and they will promote their own speciality in some appropriate way. We also hope that the events in the year 2000 itself will not be the end of an era but the beginning of a new age for mathematics!

We thank all organizations who are supporting the Newsletter 'WMY 2000'. We hope that the 7000 copies of this issue will be distributed right throughout the World, and that the Newsletter 'WMY 2000' will carry on after the year 2000 to continue to promote mathematics!



Editorial Board - BERLIN AUGUST 1998

Electronic version of WMY 2000

Issues 1, 2, 3, 4, 5, 6 and 7 are available on Internet

Mathematical Institute of Jussieu (Paris) : <http://wmy2000.math.jussieu.fr>

WMY 2000 in Canada

In the Spring of 1997, the Canadian Mathematical Society (CMS) created a Committee for WMY 2000, with a mandate to develop proposals for events during the year 2000 to make mathematics more visible in Canada. It was suggested that these events should be noticeably different from standard CMS activities, should recognize the diversity of mathematics and mathematical interests in Canada and should be imaginative, while recognizing the three aims of the IMU in its Declaration of Rio de Janeiro. Chaired by Bernard R. Hodgson, Université Laval (current Secretary of ICMI), this Committee met at several physical locations as well as electronically, gathered suggestions from across Canada, and submitted its report in September 1998. The CMS has now committed \$50,000 to these WMY 2000 proposals. In addition to the CMS initiative, other Canadian mathematical societies and institutes have proposed activities to celebrate WMY 2000. This report presents highlights of these exciting events now being planned in Canada for WMY 2000.

In celebration of the World Mathematical Year, the CMS and CAIMS (Canadian Applied and Industrial Mathematics Society) have agreed to meet together for the first time, in a joint annual meeting, June 10-14, 2000 in Hamilton, Ontario. These two societies will be joined by the Canadian Operations Research Society, the Canadian Society for the History and Philosophy of Mathematics, the Canadian Symposium on Fluid Dynamics and the Canadian Undergraduate Mathematics Conference. This Year 2000 joint societies meeting is expected to bring together the largest number of Canadian mathematical scientists, from across Canada, ever assembled in one place. It is itself an historic event for Canada. Mathematicians from around the world are welcome to join this celebration; program information will be available soon at the web-site <http://www.math.ca/>.

Closely coordinated with this joint societies meeting in June 2000, the Fields Institute will host a Symposium on the Legacy of John

Charles Fields, at the Royal Ontario Museum in Toronto, June 8-9, 2000. This Symposium is supported also by the CMS, CAIMS, Centre de recherches mathématiques and the Pacific Institute for Mathematical Sciences. It will help to inform all Canadians of our unsung hero in the mathematical sciences, the visionary John Charles Fields and his exceptional legacy to the world of mathematics. He established the world's highest award for achievement in mathematics, now known internationally as the Fields Medal (and often referred to as the « Nobel Prize of Mathematics »). It is struck by the Canadian Mint, of Canadian gold, and shows the head of the ancient Greek mathematician Archimedes on the face. A scientific highlight of the Symposium will be presentations by Fields Medal winners of their medal-winning work and its impact on modern mathematics. Sir Michael Atiyah will deliver the Banquet Address on Friday evening. Professor Tom Archibald of Acadia University will give a plenary lecture on the life and times of John Charles Fields. As well as raising awareness of mathematics in Canada, this Symposium will be a significant retrospective contribution to World Mathematical Year 2000. Negotiations are underway to produce a documentary video and book, as a lasting record of this unique event.

In Montreal, Operation Métro-2000 is being organized under the leadership of Christiane Rousseau, with support from CRM and CMS and other sources. This initiative will place posters in the Montreal subway system, designed to raise the awareness of the general public and particularly students of the importance and omnipresence of mathematics in the sciences and technology. It is part of a world-wide strategy of WMY-2000 to bring mathematics to the people, through posters in public places, such as subways. The Montreal posters will be strategically located in subway cars and those stations most frequented by students. The possibility is being explored of extending this effort to Toronto and other cities.

In Western Canada, the WMY-2000 Museum of Mathematics Project will bring the highly acclaimed travelling public exhibition of mathematics, or Mathematiksmuseum to visit the Winnipeg Children's Museum, May 1 to 13, 2000, and the Saskatchewan Science Centre in Regina, May 15 to 27, 2000. The Mathematiksmuseum was developed in

Germany by Professor Albrecht Beutelspacher of Justus-Liebig Universität, Giessen, and was shown during the International Congress of Mathematics in Berlin in 1998.

The Pacific Institute for the Mathematical Sciences (PIMS) will substantially increase its activities to promote mathematics awareness, by holding public lectures, presentations, and hands-on workshops. A number of different events to be held in British Columbia and Alberta elementary schools focussing on presenting « fun » methods for doing math and computer science with children and their parents. Activity examples include soap bubbles, geometry and paper, probability experiments using pennies, and building geometric models from straw and paper. A Conference on Changing the Culture for the Next Millennium is designed to forge closer ties between the mathematics community, mathematics teachers, and industry. Featured talks and small group discussions focus on erasing barriers between these various communities. In a Mathematics is Everywhere campaign, like the Operation Métro-2000 in Montreal, PIMS will place posters on all components of public transportation systems in BC and Alberta, designed to raise the awareness of the general public and particularly students of the importance and omnipresence of mathematics in the sciences and technology. In response to the Video Lottery Terminal debate in the Province of Alberta, PIMS representatives met with officials from the Edmonton Science Center to set up an interactive exhibit on chance and probability. The inauguration will happen in year 2000.

The activities described here are only a part of the local, national and international activities planned in celebration of World Mathematical Year 2000. The Canadian Mathematical Society for example will sponsor, in addition to the activities described in this proposal, Math Camps, a Virtual Canadian Math Trail, a Women in Math Poster and Mathematics Museum Exhibits. Across Canada, there will be additional public exhibitions and celebrations of mathematics, complementary to those described here, under the auspices of the CMS, CRM, l'Association mathématique du Québec (AMQ), the Ontario Association for Mathematics Education (OAME) and other sponsors.

WMY 2000 in Germany

Activities of the German Society for Mathematics Education

In early 1998 some members of the German Society for Mathematics Education (Gesellschaft für Didaktik der Mathematik, GDM) called into being an informal group caring about WMY 2000. This group consists by now of some 15 members. Contacts to all of them and the coordinator of the group can be made via the Internet:

<http://www.uni-giessen.de/gdm/wmy2000/>

Regarding the three aims which were set by the declaration of Rio, the German GDM-group decided to focus its activities on the third aim - the Image of Mathematics. All activities, including the preparatory ones in 1999, are aiming at the popularization and the improvement of the acceptance of mathematics especially in schools.

In order to attract the attention of pupils and students at German schools to the event WMY 2000 and to raise their sensitivity for our aims, still this year a poster action will be started. We call upon pupils and students (from first-graders through college students) to create a poster concerning WMY 2000, which carries or depicts one of the following mottos (or a self chosen motto):

- Mathematics for all
- Together Mathematics
- Hands on Mathematics
- Mathematics - a rewarding thing
- Mathematics - an exciting region
- Mathematics - a concern of yours
- Mathematics is fun
- Mathematics - older than 2000 years
- Future needs Mathematics
- With Mathematics to new views
- Fascination Mathematics
- Mathematics may please you as well

- Living Mathematics - more than only numbers.

At the same time we encourage the pupils and students to put up their posters in their classrooms or in the hallways of their schools during the year 2000 or to make up a personal calendar of their posters for the year 2000.

Posters, which turned out very well, can be sent to us by the pupils and students in order to take part in a calendar competition. A publishing house will print and publish a calendar showing the best 12 posters. This calendar will also show data of national and international events and projects in connection with WMY 2000.

In the year 2000 the pupils and students will find many suggestions and ideas for mathematical activities not only on our web-site in the internet, but also through other conventional channels. All these activities are aiming at improving the image of Mathematics in schools and thereby in a much wider public.

Please note that this article only represents activities of people in Germany, who deal with mathematics education. We do not and cannot speak for all people in Germany involved in mathematics.

All communication with this group regarding WMY 2000 activities in Germany should be addressed to :

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Oberbetringer Str. 200
D-73525 Schwaebisch Gmuend
Germany
or via E-Mail to one of the group members (E-Mail addresses see our Homepage) or to
Achim.Sander@PH-Gmuend.de

WMY 2000 IN BEJAIA (ALGERIA)

The Bejaia University organizes many events during the World mathematical Year ;

- 1) An approach of the great mathematical challenges for the next century - Special sessions of mathematical seminars.
- 2) Industrial Mathematics and Computer Science : Bejaia University and Sonacotrach, Edfimia, Sonelgaz, etc...
- 3) Image of Mathematics :
- A. Ribaucour in Algeria : Mathematical contribution in Geometry, construction of Bejaia's Harbour.

- Play for children - 01 June 2000 during the « World Child Day » : « Leonardo Fibonacci in Bejaia » about the long stay of Fibonacci in Bejaia ;
- Internet and Mathematics in Bejaia : Internet and Teaching.
- Exhibitions and Conferences for general public : Mathematics and Development between the IX and XIX centuries : inter-connexion between Algebra, Computation, Geometry, Astrology, Social Sciences, etc...
- Mathematical contribution of Maghrebian Mathematicians, before and now.

WMY 2000 AGENDA

- January, 10-13** Melbourne, (Australia)
Mathematics 2000 Festival
Contact : Barry McCrae, b.mccrae@edfac.unimelb.edu.au
Web page : <http://www.edfac.unimelb.edu.au/DSME/maths2000>
- January 10-24** Bariloche, Patagonia (Argentina)
Quantum symmetries in theoretical physics and mathematics
Contacts : Robert Coquereaux, coque@cpt.univ-mrs.fr, Roberto Trinchero, trinchero@cab.cnea.gov.ar
Web Page : <http://www.cpt.univ-mrs.fr/~coque/Bariloche2000.html>
- January 11-14** Macau, (China)
Macau 2000: Mathematics and its Role in Civilization
Contacts : José Francisco Rodrigues, rodrigues@imc.fc.ul.pt, Li Taisien, dqli@ms.fudan.edu.cn
- January 15-20** Cairo, (Egypt)
Mathematics and 21th Century
Contacts : Attia Ashour, ASHOUR@FRCU.EUN.EG, A.-S. F. Obada, obada@frcu.eun.eg.mcm
- January 17-24** University of Stellenbosch, University of Cape Town and Western Cape University (South Africa)
PAMO 2000, 10th Pan African Mathematics Olympiad
Contact : Ahmed Kerkour, akerkour@mis.net.ma
- January 19-22** Washington, D. C. (USA)
Joint Mathematics Meetings (Joint meeting of the American Mathematical Society, Mathematical Association of America, and Society for Industrial and Applied Mathematics)
Contact : Diane.Saxe dms@math.ams.org
- January 21-22** Paris, (France)
Cinquième Forum des Jeunes Mathématiciennes
Organizer : *femmes et mathématiques*
Contacts : Catherine Bonnet, Catherine.Bonnet@inria.fr
Stefanella Boatto, Stefanella.Boatto@bdl.fr
Marie-Françoise Roy, Marie-Francoise.Roy@univ-rennes1.fr
Web page : <http://www.desargues.univ-lyon1.fr/home/fem>
- January 21-22** Washington, D. C. (USA)
1999-2000 Association for Symbolic Logic (ASL) Winter Meeting
Contact : C. Ward Henson, asl@math.uiuc.edu
Web page : <http://www.math.uiuc.edu/~asl/>
- January, 24-31** Western Cape University (South Africa)
PACOM 2000, 5th Pan African Congress of Mathematicians
Contact : Ahmed Kerkour, akerkour@mis.net.ma
- February 3-5** Trondheim (Norway)
Conference : « Mathematics today »
Contact : Helge Holden, holden@math.ntnu.no
- March 8-11** La Habana (Cuba)
IV Conference on Operation Research
Contact : Sira Allende, sira@matcom.uh.cu
- March 11-12** Helsinki (Finland)
School Mathematics 2000
Organizer : FINNISH ASSOCIATION OF TEACHERS OF MATHEMATICS, PHYSICS, CHEMISTRY AND INFORMATICS (MAOL)
Contact : Petri Graeffe, petri.graeffe@maol.fi
- April 11-12** Riyadh (Saudi Arabia)
International conference on Mathematics 2000
Organizer : THE SAUDI ASSOCIATION FOR MATHEMATICAL SCIENCES (SAMS)
Contact : zaguia@ksu.edu.sa, sams@ksu.edu.sa
- April 17-20** University of Leeds (UK)
52nd British Mathematical Colloquium
Contact : H. G. Dales, pmt6hgd@amsta.leeds.ac.uk
Web page : <http://www.amsta.leeds.ac.uk/bmc/>
- May 5-7** Université Laval, Québec (Canada)
United Congress of all mathematical associations and groups of Québec
Contact : Richard Pallascio, pallascio.richard@uqam.ca
- May 15-20** Guanajato (Mexico)
World Congress of the Bernoulli Society for Mathematical Statistics and Probabilities
Contact : Ole Barndorff-Nielsen, atsoebn@mi.aau.dk

2000

May 19-24 Fès (Morocco)

XXXII Journées de Statistique

Organizer : SOCIÉTÉ FRANÇAISE DE STATISTIQUE

Contacts : Khalid Rifi, estfes@fesnet.net.ma, Jean-Louis Soler, JeanLouis.soler@imag.fr

May 21-24 Alger, (Algérie)

WMY 2000 in ALGERIA- CNA2000. Rencontre 2000 des Mathématiciens Algériens.

Organizer : Association Mathématique Algérienne
D. Teniou, A. Mokrane

Contacts : D. Teniou, dteniou@usthb.dz
A. Mokrane, mokran@ist.cerist.dz
Web page : <http://www.ama.ass.dz>

June 3-7 University of Illinois at Urbana-Champaign (USA)

1999-2000 ASL Annual Meeting

Contact : C. Ward Henson, asl@math.uiuc.edu
Web page : <http://www.math.uiuc.edu/~asl/>

June 8-9 The Fields Institute for Research in Mathematical Sciences, Toronto (Canada)

Symposium on the Legacy of John Charles Fields
Contact : Bill Langford, wlangfor@fields.utoronto.ca

June 10-13 McMaster University, Hamilton, Ontario (Canada)

Joint meeting of the Canadian Mathematical Society and the Canadian Applied and Industrial Mathematics Society (CAIMS)
Contact : Graham P. Wright, gpwright@cms.math.ca

June 13-16 Odense University (Denmark)

First AMS-Scandinavian International Mathematics Meeting XXIII Scandinavian Congress of Mathematicians.

Contact : Hans J. Munkholm, hjm@imada.ou.dk
Web page : <http://www.imada.ou.dk/~hjm/AMS.Scand.2000.html>

June 18-24 Goslar (Germany)

Perspectives on Mathematics

Contact : Klaus Hulek, hulek@math.uni-hannover.de

June 25-28 Saint Petersburg (Russia)

IMACS-ACA 2000, 6th International Conference on Applications of Computer Algebra

Organizer : THE INTERNATIONAL ASSOCIATION FOR MATHEMATICS AND COMPUTERS IN SIMULATION

Contact : Nikolay Vasiliev, vasiliev@pdmi.ras.ru
Web pages : <http://www.pdmi.ras.ru/EIMI/2000/imacs/>
<http://math.unn.edu/aca.html> (main ACA page)

June 26-30 CIRM (Luminy-Marseille) (France)

POISSON 2000

Contact : Jean-Paul Dufour, dufourj@darboux.math.univ-montp2.fr

June 28-July 1 Paris (France)

First World Congress of the Bachelier Finance Society

Organizers : BACHELIER FINANCE SOCIETY/ASSOCIATION FRANÇAISE DE FINANCE/SOCIÉTÉ MATHÉMATIQUE DE FRANCE
Contact : Hélyette Geman, geman@dauphine.fr

July 2-15 Tuscany (Italy)

20th Century Harmonic Analysis - a Celebration
NATO Advanced Study Institute

Contact : Jim Byrnes, asi@cs.umb.edu
Web page : <http://www.cs.umb.edu/~asi/analysis2000>

July 3-7 Granada (Spain) ALHAMBRA 2000

Organizer : SPANISH ROYAL MATHEMATICAL SOCIETY UNDER THE AUSPICES OF THE EUROPEAN MATHEMATICAL SOCIETY

Contact : Celerino Ruiz
E-mail conference: alhambra2000@ugr.es
E-mail secretariat: eurocongres@mx3.redestb.es
Web page: <http://www.ugr.es/~alhambra2000>

July 4-7 Bordeaux (France)

Second International Conference on Mathematical Methods in Reliability

Organizer : SOCIÉTÉ FRANÇAISE DE STATISTIQUE
Contact : Nikolaos Limnios, Nikolaos.Limnios@utc.fr

July 10-14 Barcelona, Spain

Third European Congress of Mathematics (3ECM)

Organizer : CATALAN MATHEMATICAL SOCIETY (UNDER THE AUSPICES OF THE EUROPEAN MATHEMATICAL SOCIETY)
Contact : Sebastia Xambó Descamps, sxd@grec.upc.es

July 15-17 Grenoble, France

Colloque EM 2000 (Enseignement des mathématiques dans les pays francophones)

Organizer : COMMISSION FRANÇAISE POUR L'ENSEIGNEMENT DES MATHÉMATIQUES
Contact : Web page : <http://EM2000.imag.fr>

July 21-31 Paris (France)

ASL European Summer Meeting (Logic Colloquium 2000)

Contact : C. Ward Henson, asl@math.uiuc.edu

Web page : <http://www.math.uiuc.edu/~asl/>

July 31 - August 4 IMPA, Rio de Janeiro (Brazil)

Latin American Congress of Mathematics

Organizer : LATIN AMERICAN AND CARIBBEAN MATHEMATICAL UNION (UMALCA)

Contacts : Roberto Markarian, Mario Wschebor, umalca@fing.edu.uy

July 31 - August 7 Makuhari/Chiba (Japan)

International Congress on the Teaching of Mathematics (ICME-9)

Organizer : INTERNATIONAL COMMISSION FOR THE MATHEMATICAL INSTRUCTION (ICMI)

Contact : Mogens Niss, MN@mmf.ruc.dk

August 7-12

Special Meeting on the theme « Mathematical Challenges of the XXIst Century »

Contacts : Felix E. Browder, browder@math.rutgers.edu

Web page : <http://www.ams.org/meetings/wmy2000.html>

August 8-12 Helsinki (Finland)

Rolf Nevanlinna Colloquium

Organizer : Department of Mathematics, Helsinki University

Contacts : Pekka Tukia, pekka.tukia@helsinki.fi

August 21-25 University of Washington, Seattle, (USA)

ISAMA 2000

Organizer : THE INTERNATIONAL SOCIETY OF THE ARTS, MATHEMATICS AND ARCHITECTURE

Contact : Nathaniel Friedman, artmath@cs.albany.edu

August 30-September 2 Helsinki (Finland)

Innovations in Higher Education 2000

Organizer : DEPARTMENT OF MATHEMATICS, HELSINKI UNIVERSITY

Contacts : Sari Lindblom-Ylänne, sari.lindblom-ylanne@helsinki.fi

September 5-6 Helsinki (Finland)

Rolf Nevanlinna Prize Winners' Symposium

Organizers : THE DEPARTMENT OF THE UNIVERSITY OF HELSINKI AND THE FINNISH MATHEMATICAL

Contact : Aatos Lahtinen, aatos.lahtinen@helsinki.fi

September 12-15 Faro (Portugal)

IWOTA - PORTUGAL 2000

Organizers : OPERATOR THEORY GROUP OF INSTITUTO SUPERIOR TECNICO (U.T. LISBOA) AND UNIVERSIDADE DO ALGARVE

Contact : N. Manojlovic, nmanoj@ualg.pt

Web page : <http://www.ualg.pt/cma/iwota/>

September 18-23 Bilbao (Spain)

International Congress on Differential Geometry in memory of Alfred Gray (1939-1998)

Organizer : UNIVERSIDAD DEL PAIS VASCO-EUSKAL HERRIKO UNIBERTSITATEA

Contact : Gray@lg.ehu.es

Web page : <http://www.ehu.es/Gray>

October 23-25 Casablanca (Morocco)

CIMASI 2000, third International Conference on Applied Mathematics and Engineering Sciences.

Contact : Y. Ghabbar and A. El Mossadeq,

cimasi2000@cimasi.org.ma

Website : <http://www.cimasi.org.ma>

October 23-27 Manila (Philippines)

Third Asian Mathematical Conference (AMC2000)

Organizer : South-East Asian Mathematical Society (SEAMS)

Contact : Polly Wee Sy, pweesy@f-manila.com.ph

November 13-17 Manzanillo (Cuba)

VII Congress of Mathematics and Computer Science (COMPUTAT 2000)

Contact : Fidel Lopez, compumat@golfo.gm.sld.cu

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ICME-9の日本開催まで16ヶ月

2000年の夏に日本で開催されるICME-9の会期(31 Jul.-6 Aug.)まで一年半足らずとなり、国際プログラム委員会(IPC)と国内組織委員会(NOC)の協力による準備が急ピッチで進められている。

2000年は、たまたま世紀の更新の年であるだけでなく文化文明の転回期を象徴している。実際、コンピュータの発達と普及による社会の情報化は、知的活動のパラダイムの変換をもたらそうとしているし、全世界的な即時性をもつIT通信の進歩は知的交流の範囲のコンパクト化を実現している。その時期に、数学ならびにその教育の価値観と使命が新たに問われるのは当然である。これは正にWMY2000の運動の趣旨とするところであろうが、新世紀の文明の中で生き新時代の文化を担う児童生徒の育成に直接かかわるだけに、数学教育にとっては正面の課題であり、2000年に開催されるICME-9の主題をなすものであろう。

ICME-9のもう一つの特色は、アジアで開かれる最初のICMEであることである。世界に広がる数学教育の活動は目標と方法の多くを共有しながらも文化的伝統を反映して個性的である。それゆえ、新世紀における数学教育の進路を探るためには、世界的な協力が必須である。東洋の総合的な英知と西洋の分析的な科学精神の連携がICME-9の場に於いて芽生えることが切望される所以である。

ICME-9のプログラムの構造は最近のICMEコンGRESの構造を踏襲している。たとえば、企画されている多様な行事の活動のなかには、4件の総合講演、約40件の特別講演、13組のWGA(Working Group for Action)、23組のTSG(Topics Study Group)が含まれる。なお、大会の初日に行われる国際円卓会議は、特にWMY2000に協賛するものと位置づけされており、新世紀の期待される数学教育像についての討議に、臨場のパネリストに加えて何人かの世界の名士が(ITメディア利用により)遠隔参加する予定である。

具体的な準備の報告としては、RLの講演者の人選は現在進行中であるが、PLの講演者やWGA、TSGのテーマはすでに配布されている、ICME-9の一次案内に記載されている。WGAやTSGの主組織者達も殆どが確定し、その氏名とe-mailアドレスはICME-9の公式なホームページ(<http://www.ma.kagu.sut.ac.jp/~icme9/>)で見ることが可能である。二次案内は、この夏に作成する予定であるが、世界各地のできる限り多くの方々に御覧頂けるように、そうして、結局はICME-9に参加して下さるようにと願っている。

1999年4月1日 記

ICME-9, IPC 委員長, NOC 会長

藤田 宏

ICME 9 in Japan in the year 2000

(English translation from the Japanese)

The 9th International Congress on Mathematical Education (ICME 9) will be held from July 31 to August 6, 2000 in Tokyo/Makuhari. To make this occasion of international encounter successful the International Program Committee (IPC) and the National Organizing Committee (NOC) are doing the preparation jointly.

The year 2000 coincides with the turn of millennium and symbolizes the turn of culture and civilization. In fact, the development and the popularization of computer have made our society more information-oriented and are going to change the paradigm of intellectual activities, while advancements in the international telecommunication have compactified the realm of intellectual exchanges. At this moment it is natural to re-assess the value and the mission of mathematics and mathematical education. This is not only the very target of the Mathematical Year 2000 but also the central subject of the ICME 9 of the year 2000, because it concerns directly the fostering and training of young students and pupils who must create and shoulder the culture in the coming century.

The ICME 9 is the first ICME to be held in Asia; this is another characteristic of this congress. The mathematic education is the world-wide activity with the commonly shared goal and method but it is also individualistic because it reflects and depends on the cultural tradition. Thus the international cooperation is indispensable to seek the right way for the mathematical education in the new century. Let us try to unite the synthetic wisdom of the East and the analytical spirit

of the West at the ICME 9.

The program of the ICME 9 follows the pattern of its recent predecessors; for example, there are, among others, four Plenary Lectures (PL), about forty Regular Lectures (RL), thirteen Working Groups for Action (WGA), and twenty three Topics Study Groups (TSG).

The International Round Table (IRT) on the first day will be organized in the spirit of the WMY 2000. Panelists at the hall will discuss on the expected image of mathematical education in the twenty first century. A few celebrities around the world will also participate in the discussion through media of the international telecommunication.

We are now selecting the RL lecturers, while the names of the PL lectures and the themes of WGA and TSG can be found in the First Announcement, which is already distributed. Furthermore the latest information including the names and e-mail addresses of chief organizers of WGA and TSG can be seen on our official home page

(<http://www.ma.kagu.sut.ac.jp/~icm9>). We shall distribute the Second Announcement in this summer to every corner of the world inviting earnestly every interested people to the ICME 9.

Chair of IPC, President of NOC,
ICME 9
Hiroshi FUJITA

BUENOS AIRES - ARGENTINA

- 1) The Centre of Mathematics & Design MAYDI from the University of Buenos Aires, has organized a national call to all Architecture and Design students of the whole country to participate on the bid for exhibition of posters in the Buenos Aires subway. The selection will be made by highly qualified members such as the Director of the School of Graphic Design at the University of Buenos Aires and the Director of the Research Centre MAYDI. Metrovias, a private enterprise, has offered us free space to expose the posters for a month in the 2000, at all stations of the net.
- 2) The Centre MAYDI has also organized another national contest to select an issue of commemorative stamps celebrating WMY-2000. Correos Argentinos is managing freely the reception of the presentations and will edit the winner stamp next year.

For both contests, we have performed a funding campaign with some industrial firms, newspapers, phone companies, scientific journals, domestic flight companies, editorials, professional associations, etc. The purpose of this campaign is to get contributions (money, supplies like books, journal subscriptions, printers, software, etc.) to cover first, second and third prizes as well as 10 special mentions. The prizes will be given at a public ceremony (13-14 December 1999) and winners from the provinces will get free tickets and 2 nights in a central hotel to receive them personally.

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