

ICMI BULLETIN

NUMBER 2

November 1973

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## 1. Report by the President

To all who are concerned with mathematical education, and with the important roles that it has played and must continue to play in every country in the world, the Executive Committee of ICMI wishes to report on many developments regarding international discussion and exchange of information on mathematical education that have taken place since the issue of ICMI Bulletin No. 1 in October 1972.

We are delighted to record in section 3 below the success of our important symposium in the field of primary education held at Eger, Hungary, in June, 1973. The large and enthusiastic attendance at this meeting suggests the great importance of ICMI continuing to be actively concerned with the problems of primary education in mathematics. We keenly hope that ICMI's next symposium in this field, planned to be held in Poland though postponed from the originally planned date of 1974, can take place very successfully in 1975.

We also describe in section 3 the success of the International Seminar held at Echternach, Luxembourg, in June 1973 on new aspects of mathematical applications at school level. A most important feature of secondary education in mathematics is its desirably very close connection with modern applications of mathematics, and I was delighted to take part in the admirably organised Echternach Seminar and to give an opening address on this theme.

I urge recipients of this Bulletin to pay particular attention to section 4, where plans are set out concerning the Education Section of the International Congress of Mathematicians to be held in Vancouver, Canada from 21 to 29 August 1974. Dr Maxwell needs to receive as soon as possible proposals from National Sub-Commissions or from individuals that would wish to make contributions at Vancouver related to our chosen theme "Evaluation of Modern Mathematics Curricula". Contributions either on methods of evaluation or on results of applying such methods will be very welcome.

Fruitful negotiations between ICMI, UNESCO and CEDO (Centre for Education Development Overseas) are in satisfactory progress for a jointly sponsored Regional Symposium in Nairobi, Kenya in the first half of September 1974 on linguistic aspects of mathematical education with special reference to problems in Africa. The importance of this theme was underlined at the 2nd International Congress of Mathematical Education in Exeter and has been frequently re-emphasised in the course of these very cordial and purposeful negotiations.

Another Regional Symposium, this time for Asia and Australasia, is being held by ICMI jointly with JSME (Japan Society of Mathematical Education) in Tokyo from 5 to 9 November 1974. The arrangements for this exceedingly interesting joint meeting are outlined in section 5. Please note, on the other hand, the revised date of December 1975 for a third Regional Symposium of ICMI, which is planned to be held in India.

I am glad to be able to announce that Dr Pollak, one of the members of the ICMI Executive Committee, has kindly accepted appointment as the ICMI representative on the Programme Committee of the 2nd World Conference on Computer Education to be held in Marseille, France in 1975 by ITIP (International Federation of Information Processing), with ICMI as a co-sponsor. All those interested in the programme of the Marseille Conference may get in touch with Dr Pollak.

Warm thanks are due to the U.S. National Council of Teachers of Mathematics for permitting the inclusion in ICMI Bulletin No. 2 of the invaluable list of Journals in Mathematical Education given in section 6. We include this information in accordance with our previously announced determination to use the ICMI Bulletins as depositories of information on major matters of general interest to mathematical educators.

Finally, I want to mention what an extensive and thorough exercise was carried out by the ICMI Executive Committee when it analysed, in accordance with the requirements laid on it by the General Assembly held in September 1972, the invitations relating to the 3rd International Congress on Mathematical Education which it very gratefully received during the early part of 1973. The process of reaching a decision between such exceedingly attractive alternatives was not at all easy. The Executive Committee now announces the chosen location of the Third Congress, however, in the fullest confidence that the world of mathematical education will accept that the most painstaking efforts to consider all the different invitations from every possible angle, and finally to arrive at a very necessary joint decision on behalf of ICMI, have been conscientiously made by all members of the Executive Committee, severally and collectively. We look forward to an outstandingly successful Congress of Mathematical Education in Karlsruhe from 16 to 21 August 1976.

2. Third International Congress of Mathematical Education, 1976

As reported by the President, the Executive Committee has accepted the invitation from Professor H. Kunle and his colleagues to hold the 3rd ICME in Karlsruhe. The Opening Session is planned for the afternoon of Monday 16 August 1976 and the Closing Session for the morning of Saturday 21 August or possibly for the previous evening.

A Local Committee under the chairmanship of Professor H. Kunle is being established, together with an international Programme Committee. Careful study aimed at ensuring a Congress Programme of outstanding interest has already begun.

The University of Karlsruhe is the oldest Technische Hochschule in Germany and has about 10,000 students. It has a well established mathematics faculty and is actively concerned with the training of teachers. A Centre for the Didactics of Mathematics is affiliated with the University.

The University has very extensive lecture-room accommodation and space for exhibitions. In addition, the Karlsruhe Congress Centre, with large halls containing 3000 and 1600 seats which will be used for all plenary sessions, is only 1 km away. Good hotel accommodation at reasonable prices is available for as many as 3000 congress members within the city.

The ICMI Executive Committee feels confident that Karlsruhe with its mathematical strength, its good congress facilities and its pleasant situation close to the Black Forest, the Upper Rhine Valley and many famous castles, will be found admirable in all respects for the Third International Congress of Mathematical Education.

2. ICMI Seminar at Echternach (Luxembourg) 4-9 June 1973

Theme: New Aspects of Mathematical Applications at School Level

Supported by ICMI, but chiefly by Government, the Third Echternach Seminar had a larger attendance than those of 1965 and 1969. There were participants from 20 countries. The lectures were given in French, German and English, languages which were also used in the subsequent discussions. Thus the character of the meeting had become European.

The Seminar took place in the beautiful hall of the ancient Abbey of Echternach. The participants were accommodated in the numerous hotels of the small town which is the centre of the famous tourist region "Luxembourg's Pocket Switzerland".

The opening was honoured by the presence of the Prime Minister of Luxembourg, Mr P. Werner, the President of ICMI, Sir James Lighthill, and the past President, Professor Freudenthal, who had kindly assisted the Luxembourg Organising Committee. UNESCO was represented too.

The ICMI delegate, Professor L. Kieffer, welcomed the participants in several languages and stressed the importance of the theme of the Seminar, especially of the motivation of students by concrete, attractive and interdisciplinary applications. In his address Sir James Lighthill emphasized that the task of this first symposium after the Exeter Congress was to teach the "Art of Applying Mathematics", how to use abstract structures to solve problems of the human world. Then the Prime Minister opened the Seminar.

Here only the titles of the lectures can be given:

- H. Freudenthal, Utrecht: Der Wahrscheinlichkeitsbegriff als angewandte Mathematik
- G. T. Guilbaud, Paris: Les langages d'espace
- A. C. Bajpai, Loughborough: (Unfortunately the lecturer was prevented from speaking on Vectors and Matrices)
- A. Engel, Frankfurt: Computerorientierte und anwendungsorientierte Mathematik
- Mrs M. Brown, London: Using Real Problems to Teach the Art of Applying Mathematics
- J. C. Herz, Paris: Exemples de Mathématisation
- A. van der Sluis, Utrecht: Computer Science and Mathematical Education
- F. de Finetti, Roma: Le fusionnisme, aujourd'hui
- F. Burgat, Neuchâtel: Les chroniques
- H. G. Steiner, Bayreuth: Mathematisierungen, die auf metrische Räume führen
- J. M. Durran, Winchester: Markov Chains
- T. J. Fletcher, Warrington: Producing Numbers
- D. Laugwitz, Darmstadt: Motivationen zur linearen Algebra
- T. Pinnoy, Mons: Mathématique et Technologie
- Miss M. Rayner, Oxford: Mathematical Applications in Science
- H. Stever, Kiel: Der Informationsbegriff im Unterricht
- M. Dumont, Paris: Fonctions booléennes
- T. Roman, Bucuresti: Olympiades mathématiques

The participants appreciated very much that the organisers distributed translated abstracts of the lectures and that most speakers used the overhead projector. So understanding was facilitated, and the ensuing discussions in 3 languages were fruitful.

There were no working groups, but exhibitions of books and teaching aids from several countries.

The very fine weather contributed to the pleasant atmosphere of the congress. The excursion brought the participants to many picturesque spots of the country and gave them an idea of the historical ramparts and of the modern European Centre of Luxembourg-City.

The Proceedings will be printed and sent to all the participants by courtesy of the Luxembourg Government.

L. Kieffer

Symposium on the Theoretical Problems of Teaching Mathematics  
in Primary Schools (Eger) 18-22 June 1973

A successful and friendly Symposium on the Theoretical Problems of Teaching Mathematics in Primary Schools was held at Eger from 18 to 22 June 1973, with 210 participants. The number of participants from abroad was 74. They came from 18 different countries.

Main lectures were given as follows.

- J. Suranyi: Aims and results of updating school-mathematics in Hungary
- H. Pollak: Some observations on connecting mathematics with the real world in the elementary school
- B. Christiansen: On the role of the level of precision and the degree of symbolisation in the teaching and learning of mathematics
- L. Råde: A course in combinatorics and probability for grades 1-3
- G. Matthews: Theory and practice; concepts and skills
- B. Christiansen: On the role of the level of symbolization in the teaching and learning of mathematics
- S. Turnau: Arrow assisted reasoning
- A. Revuz: Enseignement élémentaire de la notion d'approximation
- A. Bouvier: Réflexions sur la notions d'opérateur
- M. Picard and M. A. Girodet: Activités géométriques dans l'enseignement élémentaire
- F. Härtig: Systematisierung der Ziele und der Stoffauswahl im Mathematikunterricht
- C. Brousseau: Apprentissage des algorithmes: le calcul numérique à l'école élémentaire
- F. Freudenthal: General ideas by comprehension or apprehension
- T. Varga: Comprehension or apprehension, a different point of view
- Z. Semadeni: The role of definitions and proofs in primary teaching
- B. Fletcher: Arithmetic in English primary schools today
- J. Szendrei: Abstract algebra and teaching school mathematics
- C. Gaulin: Emphasizing process abilities in elementary school programs and its implications

In addition, some 20 sectional lectures were given.

J. Szendrei

4. Vancouver 1974

It is proposed to hold a Symposium with the title

Evaluation of Modern Mathematics Curricula

The organisation will be informal. All countries are warmly invited to make presentations or to arrange for individuals to contribute. The aim, essentially, is to assess the progress, advantages and disadvantages of the new approaches to mathematics over the last 10-15 years; we hope to have opinions on recommendations that might be made, together with discussions on the parallel problem of methods of assessment.

The time available at Vancouver will be subject to the decisions of the Congress Organising Committee. One possibility might be to have three 2-hour sessions on (i) Factual reports on what has been done, (ii) assessment of its value, (iii) recommendations. It would be understood that these divisions would not be exclusive, but general adherence to them would help towards clarity.

While spontaneous contributions would be welcomed, it would help in the smooth running if ICMI representatives would, where possible, send a note of any expected presentation or speaker to Dr E. A. Maxwell, Queens' College, Cambridge, England.

5. Other Symposia

These are the proposals listed as numbers 3, 4, 5, 6, 7 and 8 in ICMI Bulletin number 1, and we keep to that numeration.

(3) Poland. Symposium at Warsaw. Mathematics in Primary Schools

It has now been decided to postpone this symposium till 1975, a date which fits very well into the general plan of the symposia.

(4) Africa. Symposium at Nairobi. Interactions between mathematical education and linguistics. Details are under active discussion. It is hoped that the date will be fixed for the first week in September 1974.

(5) Japan. ICMI-JSME Regional Conference. Curriculum and teacher training for mathematical education. This is fixed for Tokyo, November 5-9, 1974. Numbers will be limited to about 150, and those wishing to have the second (definitive) notice should send name, title, country and mailing address on a postcard to Professor Z. Kobayashi, Japanese Society of Mathematical Education, c/o Tokyo University of Education, 29 Otsuka 3-chome, Bunkyo-ku, Tokyo 12, JAPAN.

(5) India. Regional Conference. It has been found necessary, largely for financial reasons, to postpone this Conference till December, 1975.

(7) Copenhagen. Information concerning the proposed meeting on Aspects of Geometry will be included in ICMI Bulletin Number 3.

- (8) IFIP Symposium, Marseille  
The Symposium will be held in 1975. ICMI will be a co-sponsor of this, the Second World Conference on Computer Education, and Dr H. O. Pollak, of our Executive Committee will be our representative on the Programme Committee.

5. Periodicals

We reproduce with deep gratitude for the permission, a list, "Foreign and Domestic Journals in Mathematical Education",\* compiled by the External Affairs Committee, National Council of Teachers of Mathematics, 1906 Association Drive, Reston, Virginia 22091, USA.

Note to the Reader

This listing is a revision of an earlier listing. Even though much information has been included in this document, you will see that there still remain gaps. While an attempt has been made to get access to as many journals as possible, it has not always been possible. Accordingly, your help is requested.

If you observe errors of any kind, can suggest other journals for inclusion or believe some listings should not be included, etc., please send this information to the address below. Specifically, accurate information is needed regarding the following:

- (1) the title of journal (both in the non-English language and in English)
- (2) the address at which information concerning possible subscription, etc. can be had
- (3) the language(s) in which the journal is published, and whether abstracts or summaries are provided in other languages

Your help is very much appreciated.

Journal Listing,  
Representative for International Mathematics Education,  
National Council of Teachers of Mathematics,  
1906 Association Drive,  
Reston, Virginia 22091,  
USA.

6. Address List

The following changes and corrections have been received. We offer apologies for the latter.

Swaziland - Dr R. J. Waterston,  
Dept of Mathematics,  
University of Botswana, Lesotho and  
Swaziland, PO Luyengo, Swaziland

Singapore - Dr Lee Peng-Yee,  
Department of Mathematics,  
Nanyang University, Singapore 22

Dr R. H. K. Wong,  
Ministry of Education, Kay Sing Road,  
Singapore 10.

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\* appended at the end of this Bulletin



Singapore - Mr Chin Pin Seng,  
(cont.) Director, RECSAM, Glugor,  
Penang, Malaysia.

Tunis - Professor Mohamed Bougila,  
11 rue du Dr Mami,  
Tunis

Professor Bechir Mahjoub,  
13 rue du Maroc,  
Tunis

Professor Abdelwahab Loussaief,  
4 rue Borj Bourgiba,  
Tunis

USA - Dr P. J. Hilton, (Chairman, US Commission on  
Battelle Research Center, Mathematical Instruction)  
4000 NE 41st Street,  
Seattle WA 98105

Dr E. E. Moise,  
Dept of Mathematics,  
Queens College, CUNY,  
Flushing, NY 10801

Dr J. H. Hlavaty,  
250 Coligni Avenue,  
New Rochelle, NY 10801

Dr H. O. Pollak,  
Mathematics Research Center,  
Ball Telephone Laboratories Inc.  
Murray Hill, NJ 07974

Mr E. C. Rowan,  
Office of the Foreign Secretary,  
National Academy of Sciences,  
2101 Constitution Ave., NW,  
Washington DC 20418

Dr T. R. Kramer,  
Division of Mathematical Sciences,  
National Research Council,  
2101 Constitution Ave, NW,  
Washington DC 20418

Dr P. J. Cohen,  
Dept of Mathematics,  
Stanford University, Stanford Ca. 94305

Dr Jerry Becker,  
Dept of Science and Humanities,  
Graduate School of Education,  
Rutgers University, New Brunswick, NJ 08903

Mr W. G. Chinn,  
539-29th Avenue,  
San Francisco, Ca. 94121

TRY

TITLE OF JOURNAL  
(AND ENGLISH TRANSLATION OF TITLE)

INFORMATION FROM

LANGUAGE OF PUBLICATION

ntina	Conceptos de Matematica Concepts of Mathematics	Paraguay 1949, 60.A, Buenos Aires	Spanish
	Elementos Elements	Fernandez Blanco 2045, Buenos Aires	Spanish
	Mathematical Notae Mathematical Notes	Instituto de Matematic "Beppo Levi", Universidad Nacional de Rosario, Avenue Pellegrini 250, Rosario	Spanish
	Revista de la Universidad Nacional de Tucuman Journal of the National University of Tucuman	Universidad Nacional de Tucuman Tucuman	Spanish
ralia	The Australian Mathematics Teacher	Business Manager, 51 Wattle Road, Brookvale, NSW, 2100,	English
	-Vinculum	Melbourne High School, Chapel Street, South Yarra, Victoria	English
	South Australia Student Journal	Mathematics Department, Adelaide Teachers College, Kintore Avenue, Adelaide 5000	English
	Parabola	School of Mathematics, University of New South Wales, Kensington, NSW 2033	English
ria	Internationale Mathematische Nachrichten International Mathematical News	Osterreichische Mathematische Gesellschaft Karlsplatz 13, A-1040 Wien	English, German a; French
	Osterreichische Method Austrian Method	Techn-Hoch-Karis-13, A-1040 Wien	German
ium	Mathematica et Paedagogia Mathematics and Pedagogy	CCP 7280 14 de la Societe belge de Professeurs de Mathematique, Quartier de l'Europe 126, 6070 Chatelineau	French and Flemis;
	Niko	Kapelsestraa 222, 2080 Kapellen	French



COUNTRY

TITLE OF JOURNAL  
(AND ENGLISH TRANSLATION OF TITLE)

INFORMATION FROM

LANGUAGE OF  
PUBLICATION

Belgium (cont.)

Nico

Review Periodique du Centre Belge de  
Pedagogie de la Mathematique  
a verser au CCP 302.10 du CBPM,  
Avenue Albert 224, 1180 Bruxelles

French

Brazil

Mathesis

9 rue de Houdain, Mons

French

Summa Brasiliensis Mathematicae

Inst. de Matematica Pura e Aplicada,  
Rua Luis de Camoes 68, Rio de Janeiro 58

Portuguese

Canada

Historica Mathematica

Department of Mathematics, University of  
Toronto, Toronto M5S 1A1

English

Ontario Mathematics Gazette

Ontario Mathematics Commission, 1260 Bay  
Street, Toronto, Ontario

English

Secondary School Mathematics Bulletin

Department of Mathematics, University of  
Waterloo, Ontario

English

Bulletin de l'Association Mathematique de  
Quebec  
Bulletin of the Mathematics Association of  
Quebec

Association Mathematique de Quebec, Quebec

Journal of the British Columbia Assoc-  
iation of Mathematics Teachers

British Columbia Teacher's Federation  
1815 West Seventh Avenue, Vancouver, BC

English

Chile

Boletin  
Bulletin

Centre de Professeurs de Mathematique et  
de Physiques, Institute Pedagogie,  
Universidad de Chile, Mascul 774,  
Santiago

Colombia

Nico Suba

Colegio Refous, Apartado aereo 21-979,  
Bogota 2

Costa Rica

Boletin Matematico Costarricense  
Costa Rican Mathematical Bulletin

Departamento de Fisicay Matematica,  
Universidad de Costa Rica,  
Cuidad, Universitaria Rodrigo Facio,

Spanish

An Jose

<u>COUNTRY</u>	<u>TITLE OF JOURNAL (AND ENGLISH TRANSLATION OF TITLE)</u>	<u>INFORMATION FROM</u>	<u>LANGUAGE OF PUBLICATION</u>
Cuba	Epsilon	Departamento de Matematica, Direccion Nacional de Educacion General, Ministerio de Educacion, La Habana	Spanish
Czechoslovakia	Matematika ve Skole Mathematics in School	Statni Pedagogicke Nakladatelstvi, Astrovní 30, Praha 2	Czechoslovakia
	Matematika a Fyzika ve Skole Mathematics and Physics in School	Lazarska 8, Praha 2	Czechoslovakia
Denmark	Nordisk Matematisk Tidsskrift (Scandinavia) Norskisk Mathematical Journal	Nordisk Matematisk Tidsskrift, Matematisk Institut, Denmarks Laererhøjskole, Emdrupvej 101, 2400 Kobenhavn NV	The Scandinavian languages - with some articles in English. Summaries of all articles are given in English
Federal Republic of Germany	Der Mathematikunterricht The Mathematics Teaching	Ernst Klett Verlag, Rotebühlstr. 77, 7000 Stuttgart 1	German
	Der Gymnasial-Unterricht Gymnasium Teaching	Ernst Klett Verlag, Rotebühlstr. 77, 7000 Stuttgart 1	German
	Praxis der Mathematik The Practice of Mathematics	Aulix Verlages Deubner & Co. KG, Antwerpener Str. 6-12, 5 Köln 1	German
	Informationen Information	Bayerischer Schulbuch-Verlag, Hubertusstr. 4, Postfach 87, 8 München 19	German
	Der Mathematische und Naturwissenschaftliche Unterricht The Teaching of Mathematics and Natural Sciences	Ferd Dummlers Verlag, Kaiserstr. 31-37, 53 Bonn 1	German

LANGUAGE OF PUBLICATION

INFORMATION FROM

TITLE OF JOURNAL (AND ENGLISH TRANSLATION OF TITLE)

COUNTRY

German & English

Pedagogische Hochschule Bayreuth der  
Universität Erlangen-Nürnberg,  
Geschwister-Scholl-Platz 3,  
8580 Bayreuth

Zentralblatt für Didaktik der Mathematik  
Journal for Teaching Methods in  
Mathematics

Germany (cont.)

German

Verlag Vanderhoreck Ruprecht, Göttingen

Mathematische-Physikalische Semester-  
berichte,  
Semester Report for Mathematics and  
Physics

German

Verlag Josef Habel,  
Gutenbergstrasse 7, 84 Regensburg 9

Archimedes

German

Birkhauser Publishers, Stuttgart

Elemente der Mathematik  
Elements of Mathematics

German

108 Berlin, Lindenstrasse 54a

Mathematik in der Schule  
Mathematics in the School

German

Beiträge zum Mathematisch-Naturwissenschaft-  
aftlichen Unterricht

German

Franz Steiner Verlag GMBH, Wiesbaden

Die Deutsche Berufs- und Fachschule  
The German Professional and Vocational  
School Journal

Finnish

Editorial Office, Par antolankatu 8 B 14,  
Hyvinkää

Matemaattisten Aineiden Aikakauskirja  
The Periodical of Mathematical Subjects

Finnish

Societe Finnoise de Mathematiques et de  
Physique, Vakautoimisto Box, Helsinki

Arkhimedes  
Archimedes

Finnish

Association des Maitres d'ecoles Primaires  
de Finlande, Lonnrotink 25, Helsinki

Opettajain Lehti

Finland

ENTRY

TITLE OF JOURNAL  
(AND ENGLISH TRANSLATION OF TITLE)

INFORMATION FROM

LANGUAGE OF  
PUBLICATION

land (cont)

Nordisk Matematisk Tidsskrift  
(Scandinavia)  
Nordisk Mathematical Journal

Nordisk Matematisk Tidsskrift  
Louhiv 11 C 37, Hagalund 3

Scandinavian  
Languages & series in English

ance

Bulletin du Centre d'Etudes du Processus  
d'Apprentissage en Mathématique  
Bulletin of the Centre for the Study of  
Student Teaching in Mathematics

25 rue d'Ulm, Paris 5

French

Les Cahiers Pédagogiques  
The Notebooks of Pedagogy

13 rue du Four, Paris 6

French

Éducation et Mathématiques  
Education and Mathematics

29 rue d'Ulm, Paris 5

French

L'Enseignement Mathématique  
Mathematical Instruction

11 rue Jules-Haag, 25 Besançon

French

Bulletin de l'Association des Professeurs  
de Mathématiques de l'Enseignement  
Public

Institute Pédagogique National,  
29 rue d'Ulm, Paris 5

French

Bulletin of the Association of  
Professors of Mathematics in Public  
Schools

Mathématiques et Science Humaines  
Mathematics and Social Sciences

Centre de Mathématique Sociale et de  
Statistique, 17 rue Richer, Paris 9

French

L'Éducation Mathématique  
Mathematical Education

Librairie Vuibert, 63 Boulevard Saint  
Germain, Paris 5

French

Revue de Mathématiques Spéciales  
Revue of Special Mathematics

Librairie Vuibert, 63 Boulevard Saint  
Germain, Paris 5

French

<u>COUNTRY</u>	<u>TITLE OF JOURNAL (AND ENGLISH TRANSLATION OF TITLE)</u>	<u>INFORMATION FROM</u>	<u>LANGUAGE OF PUBLICATION</u>
France (cont.)	Journal des Mathematiques Elementaires Journal of Elementary Mathematics	Librarie Vuibert, 63 Boulevard Saint Germain, Paris 5	French
	Circulaire d'Informations Information Circular	Societe Mathematique de France, 11 rue Pierre et Marie Curie, F-75231, Paris 5	French
German Democratic Republic	Mathematik in der Schule Mathematics in the School	108 Berlin, Lindenstrasse 54a	German
	Mathematik und Physik in der Schule Mathematics and Physics in the School	Volk und Wissen, Volkseigener Verlag Berlin Lindenstrasse 54A, 108 East Berlin	German
Ghana	Mathematics in Ghana	Mathematical Association of Ghana, PO Box 62 Legon	English
Great Britain	International Journal of Mathematical Education in Science and Technology	John Wiley & Sons, Ltd., Baffins Lane, Chichester, Sussex	English
	Mathematics in School	Journal Services Manager, Longman Group Ltd, Journals Division, 33 Montgomery Street, Edinburgh EH7 5JX.	English
	Mathematical Spectrum	Oxford University Press, Education Dept, Walton Street, Oxford	English
	Journal of Structural Learning	Gordon and Breach Science Publishers, 42 William IV Street, London WC2 or Gordon and Breach Science Publishers, 1 Park Avenue, New York, NY 10016, USA or Gordon and Breach Science Publishers, 7-9 rue Emile Dubois, Paris 14.	English
	Mathematics Teaching	Association of Teachers of Mathematics, Market Street Chambers, Nelson, Lancs. BB9 7LN	English

COUNTRY

TITLE OF JOURNAL  
(AND ENGLISH TRANSLATION OF TITLE)

INFORMATION FROM

LANGUAGE OF PUBLICATION

Great Britain (cont.)	Mathematics Teacher's Forum	Fanfare Publishing House, 174 Chingford Mount Road, London E4 9BS	English
	Primary Mathematics	Wynn Williams Publishers Ltd. Centenary Buildings, King Street, Wrexham	English
	The Mathematical Gazette	The Mathematical Association, 150 Friar Street, Reading RG1 1HE	English
	Computer Education	Computer Education Group, Computer Centre, North Staffordshire Polytechnic, Blackheath Lane, Stafford	English
	Mathematical Pie	Mathematical Pie Ltd., Alpha House, The Lane, Rowington, Warwickshire	English
	Mathematica Prima	St Dunstan's College Mathematics Society, St Dunstan's College, Catford, SE6	English
	Teaching Arithmetics	Pergamon Press, Oxford or 122 E. 55th Street, New York, NY 10022, USA	English
Hungary	Pedagogiai Szemle Journal of Pedagogy	Budapest VII, Gorkij Faszor 17-21	Hungarian
	Magyar Pedagogia Hungarian Pedagogy	Budapest V, Pesti Barnabas, Utca 1	Hungarian
	Közepiskolai Matematikai Lopak Intermediate Mathematics Paper	Művelődésügyi Minisztérium, Szalay Utca 10-14, Budapest V	Hungarian
	A Matematika Tanítása The Mathematics Teacher	Ministere de l'education at Societe Mathematique Janor Bolyai, Posta Kozponti Hiralapiroda Jozsef Nadorter 1, Budapest V	Hungarian



TITLE OF JOURNAL  
(AND ENGLISH TRANSLATION OF TITLE)

INFORMATION FROM

LANGUAGE OF PUBLICATION

<p>Nordisk Matematisk Tidsskrift          (Scandinavia)</p>	<p>Nordisk Matematisk Tidsskrift,          Hamrahlio 31, Reykjavik</p>	<p>Scandinavian          Languages &amp; Series          in English</p>
<p>The Mathematics Education</p>	<p>The Business Manager, The Mathematics          Education, Station Road, PO Siwan,          Saran, Bihar</p>	<p>English</p>
<p>The Mathematics Teacher</p>	<p>Editorial Office, 3 Thiruvengadam Street,          Raja Annamalipuram, Madras 28, Tamil Nadu</p>	<p>English</p>
<p>Bulletin of the Mathematical Association          of India</p>	<p>Department of Mathematics, Meerut University          Meerut, UP</p>	<p>English</p>
<p>The Mathematics Student</p>	<p>Department of Mathematics, Meerut University          Meerut, UP</p>	<p>English</p>
<p>Mathematics Seminar</p>	<p>Bharti Printing Press, VIII/60 Ajmeri Gate,          Delhi</p>	<p>English</p>
<p>Mathematical Bulletin</p>	<p>Department of Mathematics, Ewing Christian          College, Allahabad, UP</p>	<p>English</p>
<p>National          Commission on Mathe-          matical Instruction</p>	<p>Dr E. A. Maxwell, ICMI Secretary, Queens'          College, Cambridge</p>	<p>English</p>
<p>21</p>	<p>PO Box 801, Jerusalem</p>	
<p>Periodico di Matematiche</p>	<p>Via Irnerio 34, Bologna</p>	<p>Italian</p>
<p>Homo Faber</p>	<p>Amministrazione e Redazione, Via Dei Gracchi          181-185, Roma</p>	<p>Italian</p>

COUNTRY

Italy (cont.)

TITLE OF JOURNAL  
(AND ENGLISH TRANSLATION OF TITLE)

Archimede  
Archimedes

L'Insegnamento della Matematica  
The Teaching of Mathematics

Riforma della Scuola  
School Reform

Bollettino della Unione Matematica  
Italiana  
Bulletin of the Italian Mathematical  
Union

Sansu Kuoiku.  
Arithmetic Education

Sugaku Kyoiku  
Mathematics Education

Report of Researches in Mathematical  
Education

Sansu to Sugaku

Sugaku Kyoshitsu

Mathematical Science

Sugaku Seminar  
Mathematics Seminar

INFORMATION FROM

Via S. Ommerito 100, Florence

Segretario Gruppo di Pedagogia della  
Matematico, Ugo Morin, Istituti Filippin, Italian  
Paderno Del Grappa (Treviso)

Via Della Zoccolette 30, Roma  
Italian

Bologna  
Italian

Meiji-Tosho Shuppan KK,  
3-3-11 Irifune, Chuo-ku, Tokyo  
Japanese

Meiji-Tosho Shuppan KK,  
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Japanese

Japan Society of Mathematical Education  
c/o Tokyo University of Education,  
3-29-1 Otsuka, Bunkyo-ku,  
Tokyo  
Japanese

Kyoiku Sogo Kenkyusho,  
2 Higashi, Tsumari-Machi, Nishinari-ku,  
Osaka  
Japanese

Sugaku Dyoiku Kyogi-kai, (Council for  
Mathematical Education), 1-12-14 Iidabashi,  
Chiyoda-ku, Tokyo  
Japanese

Diamond-sha, Kasumigaseki 3-3, Chiyoda-ku,  
Tokyo  
Japanese

Mihon-hyoron-sha, Suga-Machi, Shinjuku-ku,  
Tokyo  
Japanese

LANGUAGE OF  
PUBLICATION

Italian

Japan

COUNTRY

TITLE OF JOURNAL  
(AND ENGLISH TRANSLATION OF TITLE)

INFORMATION FROM

LANGUAGE OF PUBLICATION

Korea

Journal of the Korea Society of Mathematical Education

Korea Society of Mathematical Education, c/o College of Education, Seoul National University, Seoul

Korean, with some articles in English

Japan

Mathmag

Editor, Chancellor College, PO Box 5200, Limbe

English

Mexico

Revista Matematica Mexicana  
Mathematic Journal

Sociedad Matematica Mexicana, Apartado Postal 70-450, Mexico City 20, DF

Spanish

Boletin de la Sociedad Matematica Mexicana  
Bulletin of the Mathematics Society of Mexico

Sociedad Matematica Mexicana, Apartado Postal 70-450, Mexico City 20, DF

Spanish

Netherlands

Educational Studies in Mathematics

D. Reidel Publishing Company, PO Box 17, Dordrecht

English and French

Pythagoras

Turftorenstraat 11A, Groningen

Dutch

Euclides

Wolters-Noordhoff Ltd., Onde Boteringest 24, PO Box 58, Groningen

Dutch

New Literature on Automation

6 Stadhouderskade, Amsterdam 1013, or  
The British Computer Society,  
c/o The City University, St John Street, London EC1 or  
Litterature sur l'Automation, 93 rue Chezy, Nevilly-sur-Seing, France or  
Centro Nacional de Computacion, Casilla de Correos 1039, Asuncion, Paraguay

English, German, French or Spanish

New Zealand

The New Zealand Mathematics Magazine

The Treasurer, Auckland Mathematical Association, (Inc.) PO Box 6855, Auckland 1

English

Norway

Nordisk Matematisk Tidsskrift  
(Scandinavia)  
Nordisk Mathematical Journal

Nordisk Matematisk Institutt  
Universitetat, Blindern, Oslo 3

Scandinavian Languages & summaries in English

COUNTRY

TITLE OF JOURNAL

(AND ENGLISH TRANSLATION OF TITLE)

INFORMATION FROM

LANGUAGE OF PUBLICATION

Papua and New Guinea	Educational Materials Bulletin	Educational Materials Center, University of Papua and New Guinea, PO Box 1144, Boroko	English
Peoples Republic of China	Bulletin of Mathematics	Shuxue Tongbao, Chinese Mathematical Association, Peking	Chinese
Philippines	Newsletter of the Mathematics Teachers' Association of the Philippines	Department of Mathematics Education, Ateneo University, Loyola Heights, Quezon City	
Poland	Mathematyka Mathematics  Nowa Szkoła New School	Panstwowe Zakłady Wydawnictw Szkolnych (PZWS), Place Dabrowskiego 8, Warszawa  Ministry of Public Instruction, Plac Dabrowskiego 8, Warszawa	Polish  Polish
	Wiadomosci Matematyczne Mathematical News	Polskie Towarzystwo Matematyczne, ul. Sniadeckich 8, Warszawa	Polish
	Szkola Zawodowa Vocational School	ul. Spasowskiego 6/8, Warszawa	Polish
	Zycie Szkoly School Life	ul. Budgoska 8. Torun, Warszawa	Polish
Portugal	Gazete de Matematica Mathematical Gazette	R. do Diario de Noticias 134-10, Lisbon	Portuguese
Rumania	Revista de Pedagogie Journal of Pedagogy  Predarea Matematich si Fizich	str. Sfintii Apostoli nr. 14, Sector 6, Bucuresti  Institutul Central De Perfectionare a Personalului Didactic, Biblioteca Centrala Pedagogica, Bucuresti	Romanian  Romanian
	Gazeta Matematica Mathematical Gazette	Societati de Stiinte Matematice si Fizice din RPR, Str. Academiei 14, Bucuresti	Romanian

<u>COUNTRY</u>	<u>TITLE OF JOURNAL (AND ENGLISH TRANSLATION OF TITLE)</u>	<u>INFORMATION FROM</u>	<u>LANGUAGE OF PUBLICATION</u>
Romania (cont.)	The Bulletin	Editorial Staff, Poly Institute of Jassy, Jassy	Romanian
South Africa	Spectrum	Spectrum Editorial Office, Foundation for Education, Science & Technology, PO Box 1758, Pretoria	English, & some articles in German
Soviet Union	Matematika v Shkole Mathematics in the School	Ministerstvo Prosvescheniya USSR, Pogodinskaya ul. Dom 8, Mezhdunarodnaya Kniga, Moscow G-200	Russian
	Nachal' Naia Shkola Primary School	The Editor, 3 Proezd Mar' inoi Roschi 41, 129846, GSP, Moscow I-18	Russian
	Sovetskaya Pedagogika Soviet Pedagogy	The Editor, Makarenko 5/16, Moscow K-64	Russian
Spain	Professional No-Tekhnicheskoe Obrazovanie Professional-Technical Education	The Editor, Murmanskii Proezhd 8, Moscow, I-103	Spanish
	Gaceta Matematica Mathematical Gazette	Sr. Secretario, Real Sociedad Matematica Espanola, Serrano 123, Madrid 6	Spanish
Sweden	Elementa	Fredsgatan 10, Uppsala	Swedish
	Pedagogiska Meddelanden Pedagogical Reports	The National Board of Education, Fack, Stockholm 22	Swedish
	Nordisk Matematisk Tidskrift (Scandinavia)	Nordisk Matematisk Tidskrift, Dagermansgatan 8, 75428 Gamla, Uppsala	Scandinavian Languages & series in English
	Nordisk Mathematical Journal		
Netherlands	L'Enseignement Mathematique (Revue International) International Revue of Mathematical Instruction	La Commission Internationale de l'Enseignement Mathematique, C/o Institute de Mathematiques, Universite Geneve, Geneve	French

COUNTRY

TITLE OF JOURNAL

(AND ENGLISH TRANSLATION OF TITLE)

INFORMATION FROM

LANGUAGE OF PUBLICATION

Switzerland (cont.)

Elemente der Mathematik  
The Elements of Mathematics

Birkhauser Verlag Publishers  
Basel

French

Mathematique Ecole  
School Mathematics

Pedagogical Research Service,  
Universite de Geneve,  
65 rue de Lausanne, 1201 Geneve

Tanzanian Mathematical Bulletin

Editor, Department of Mathematics,  
University College, PO Box 35062, Dar es  
Salaam

English

Tunisia

Bulletin of the Tunisian Association of  
Mathematicians

28 av. Habib Bourguiba, Tunisia

Turkey

Matematik

Mat. Ogretim Dergileri Yayim ve dagitim  
yeri Evrim Yaynevi, Ankara Cad.  
Nakipoglu ishani No. 60/38, Istanbul

Turkish

United Arab Republic  
Al-Riyadiyat

Association of Professors of Mathematics  
of the United Arab Republic,  
Taftish al - Riyadah, Al - Mabira al -  
Maydan al Takrir, Cairo

UNESCO

ICC Bulletin

International Coordinating Committee for  
the Presentation of Science and the  
Development of Out-of-School Scientific  
Activities (ICC),  
rue de Veeweyde 125, B-1070 Brussels

English, F  
Spanish

Out-of-School Scientific and Technical  
Education

International Coordinating Committee for  
The Presentation of Science and the  
Development of Out-of-School Scientific  
Activities (ICC)

English, F  
Spanish an  
Arabic

United States

Matyc Journal  
(Mathematics Association of Two Year  
Colleges Journal)

New York State Mathematics Association of  
Two Year Colleges,  
Dept of Mathematics, Nassau Community  
College, Garden City, New York 11530

English

LANGUAGE OF PUBLICATION

INFORMATION FROM

TITLE OF JOURNAL (AND ENGLISH TRANSLATION OF TITLE)

COUNTRY

United States (cont)	The Mathematical Log	English
	Investigations in Mathematics Education	English
	School Science and Mathematics	English
	Journal for Research In Mathematics Education	English
	The Arithmetic Teacher	English
	The Mathematics Teacher	English
	The American Mathematical Monthly	English
	Mathematics Magazine	English
	The Two-Year College Mathematics Journal	English
	The Mathematics Student Journal	English

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 Department of Mathematics,  
 601 Elm, Room 423,  
 University of Oklahoma, Norman, Ok. 73069

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 Environmental Education,  
 The Ohio State University,  
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 PO Box 1614, Indiana University of  
 Pennsylvania, Indiana, Pennsylvania 15701

National Council of Teachers of Mathematics,  
 1906 Association Drive, Reston, Va. 22091

National Council of Teachers of Mathematics,  
 1906 Association Drive, Reston, Va. 22091

National Council of Teachers of Mathematics,  
 1906 Association Drive, Reston, Va. 22091

Mathematical Association of America,  
 1225 Connecticut Avenue, NW,  
 Washington DC, 20036

Mathematical Association of Maerica,  
 Suite 310, 1225 Connecticut Avenue,  
 Washington DC, 20036

The Two-Year College Mathematics Journal,  
 53 State Street, Boston, Mass. 02109

National Council of Teachers of Mathematics,  
 1906 Association Drive, Reston, Va. 22091

COUNTRY

TITLE OF JOURNAL  
(AND ENGLISH TRANSLATION OF TITLE)

INFORMATION FROM

LANGUAGE OF  
PUBLICATION

United States (cont.) Scientific American

English

Scripta Mathematica

English

Pi Mu Epsilon Journal

English

Advances in Mathematics

English

The Journal of Children's Mathematical  
Behavior

English

Journal of Recreational Mathematics

English

Primary Mathematics (originally  
Teaching Arithmetic)

English

The Fibonacci Quarterly

English

Archive for History of Exact Sciences

English

Philosophia Mathematica

English

Boletin de Informaciones  
Information Bulletin

Spanish

Nastava Matematike I Fizike U Skoli  
Public Instruction in Mathematics and  
Physics in Schools

Yugoslavia

Yugoslavi

Scientific American Inc.  
115 Madison Avenue, New York, NY 10017

Yeshiva University, Amsterdam Avenue and  
186th Street, New York, NY 10003

Editor, 1000 Asp Avenue, Room 215,  
University of Oklahoma, Norman,  
Oklahoma 73069

Executive Editor, Academic Press Inc.  
111 Fifth Avenue, New York, NY 10003

The Madison Project, 918 Irving Avenue,  
Syracuse University, Syracuse, NY 13210

Greenwood Periodicals Inc.  
51 Riverside Avenue, Westport, Conn. 06880

Pergamon Press, Maxwell House, Fairview Park, English  
Elmsford, New York 10523

Department of Mathematics,  
St Mary's College, Maraga, California 94575

Springer-Verlag New York Inc.  
125 Fifth Avenue, New York, NY 10010

The Editor, Association for Philosophy of  
Mathematics,  
Memphis State University, Memphis,  
Tennessee 38111

Casilla de Carreo no 2620,  
Distrito 2, Rocitos, Montevideo

Savez drustava Matematicara i fizicara (FNRJ) Yugoslavi  
Boite Postale 791, Belgrade



COUNTRY

TITLE OF JOURNAL

(AND ENGLISH TRANSLATION OF TITLE)

INFORMATION FROM

LANGUAGE OF PUBLICATION

Yugoslavia (cont.)

Pedagogija  
Pedagogy

Mose Rijade, 12/v, Beograd

Yugoslavian

Pedagoski Rad  
Pedagogical Studies

Trg marsala Tita 4, Zagreb

Yugoslavian