January 27, 1978

DEPARTMENT MEMORANDUM
No. 30, s. 1978

FIRST SOUTHEAST ASIAN CONFERENCE
ON MATHEMATICAL EDUCATION

To: Bureau Directors
Regional Directors
Chiefs of Services and Heads of Units
Coordinator, State Colleges and Universities
Heads of Schools, Colleges and Universities
Schools Superintendents

1.   Inclosed is a copy of Memorandum Circular No. 1037 of the President of the Philippines, dated January 13, 1978, authorizing attendance and participation in the First Southeast Asian Conference on Mathematical Education scheduled to be held at the Philippine International Convention Center from May 29 to June 3, 1978, and in Iligan City on June 4-10, 1978. Attention, in this connection, is invited to Department Memorandum No. 132, s. 1977 on the same subject matter.

2.   The following delegates may be sent to the conference:

1.   One division mathematics supervisor;

2.   Two elementary mathematics teachers representing Grades I-III and Grades IV-VI;

3.   Two high school mathematics teachers representing the First-Second Years and the Third-Fourth Years;

4.   At least one mathematics faculty member from each college and university.

All delegates from Luzon and the Visayas and the division supervisors of Mindanao will attend the Manila conference. The elementary and secondary school delegates of Mindanao will attend the Iligan City conference.

3.   Reasonable expenses for transportation, per diems and seminar fees may be allowed chargeable against the appropriations of the respective participant's offices and schools, in accordance

with the provisions of Presidential Decree No. 364 dated
November 26, 1973, as implemented by Commission on Audits General
Circular No. 127 dated November 29, 1973, subject to the
availability of funds and the usual accounting and auditing
requirements as exemption to Memorandum Circular No. 593 of
the President of the Philippines dated August 1, 1972.

4.   The participants shall submit to their respective
superintendents of schools and heads of schools a report on
their attendance and participation in the conference within
fifteen (15) days after the termination thereof.

5.   Enclosed also is a copy of the second announcement
giving pertinent information regarding the conference includ-
ing the application form which should be accomplished by the
delegates and sent to the following address on or before
March 10, 1978:

                First Southeast Asian Conference on
                    Mathematical Education
                c/o Mathematics Department
                Ateneo de Manila University
                P.O. Box 154, Metro Manila

6.   To ensure wide participation in this conference,
it is requested that this announcement be given appropriate
publicity.

                            (SGD.) JUAN L. MANUEL
                            Secretary of Education and Culture

Incls.:
        As stated

References:
        Department Memorandum (No. 182, s. 1977)

Allotment: 1-2-3-4--(S.O. 1-76)

To be indicated in the Perpetual Index
        under the following subjects:

CONFERENCES   OFFICIALS
Course of Study, MATHEMATICS   TEACHERS
                SECONDARY

REPUBLIC OF THE PHILIPPINES
(Office of the President of the Philippines)

MEMORANDUM CIRCULAR NO. 1037

AUTHORIZING ATTENDANCE AND PARTICIPATION IN THE FIRST
SOUTHEAST ASIAN CONFERENCE ON MATHEMATICAL EDUCATION
AT THE PHILIPPINE INTERNATIONAL CONVENTION
CENTER FROM MAY 29 TO JUNE 3, 1978

The First Southeast Asian Conference on Mathematics
Education will be held from May 29 to June 3, 1978, at the
Philippine International Convention Center (PICC) and from
June 4 to June 10, 1978, in Iligan City under the auspices
of the Mathematical Society of the Philippines with the
assistance of the Philippine Government, the International
Convention on Mathematics Instruction (ICMI), the Southeast
Asian Mathematics Society (SEAMS) and the Mathematics Teachers
Association of the Philippines (MTAP).

The main objectives of the conference are: (a) to pro-
vide a regional forum for the presentation of the results of
studies made with regard to the type of mathematics programs
currently offered at all levels; the type of mathematics
programs that should be and could be offered so as to meet
the goals of developing countries like the Philippines and
other Southeast Asian countries, and the training and upgrading
of the mathematics staff in schools; (b) to explore ways of
regional cooperation in mathematical education for research;
and (c) to explore ways of making the problems of mathematical
education   known to the public and to our governments so as
to obtain the needed support

The Department of Education and Culture is hereby author-
ized to send the following delegates to the conference: One
division mathematics supervisor, two competent elementary mathe-
matics teachers representing Grades I-III and Grades IV-VI, two
high school mathematics teachers representing I-II years and
III-IV years; and at least one mathematics faculty member from
each college and university. All delegates from Luzon and
Visayas and the division supervisors of Mindanao will attend
the Manila conference. The elementary and secondary school
delegates of Mindanao will attend the Iligan conference.

Reasonable expenses for transportation, per diems and
seminar fees may be allowed chargeable against the appropria-
tions of their respective offices and schools in accordance
with the provisions of Presidential Decree No. 364 dated Novem-
ber 26, 1973, as implemented by COA General Circular No 127

dated November 27, 1973, subject to the availability of funds
and the usual accounting and auditing requirements as an ex-
ception to Memorandum Circular No. 593 of this Office dated
August 5, 1972.

The participants shall submit to their respective heads
of office and school a report on their attendance and partici-
pation in the conference within fifteen (15) days after the
termination thereof.

By authority of the President:

(SGD.) JACOBO C. CLAVE
Presidential Executive Assistant

Manila, January 18, 1978

A true copy.

SPECIAL WORKSHOPS

Prof. Z. Semadeni of Poland will conduct a workshop for trainers of elementary teachers a week before the Conference as well as during the Conference.

Prof. A. Engel of Germany has agreed to do the same for secondary teachers.

EXHIBITS:

Publishers and firms producing teaching aids and books for mathematics will display their books and materials. Inquiries and applications for this purpose are to be made from the Secretariat.

OTHER ACTIVITIES:

The programme of activities includes a tour of the PICC Complex and its Exhibit Halls. Arrangements are being made for demonstrations at Computer Centers, and sight seeing tours will be organized especially for foreign participants.

THIRD ANNOUNCEMENT

The 3rd (last) Announcement is scheduled for April 1978. With the 3rd Announcement, participants whose applications arrive by March 18, 1978 will receive a membership card acknowledging their full or partial payment of the required registration fee. This announcement will give details of the Program of the Conference.

POSTAL ADDRESS:

1st Southeast Asian Conference on Mathematical
Education 1978
c/o Mathematics Department
Ateneo de Manila University
P. O. Box 154, Manila, Philippines

APPLICATION

Participants should make their application on the attached application form. They are requested to return the application form by March 18, 1978 at the latest.

PARTICIPATION FEE

The participation fee is P100.00 or US $15.00. To facilitate registration on the first day, participants are urged to pay the full fee upon application. However a reservation fee of P50.00 (US $7.50) will also be accepted and the balance may be paid before the opening ceremonies on the first day.

The fee entitles a participant to participate in all the scientific activities of the conference, receive Conference Materials and a copy of the Proceedings.

Snacks will be provided free to all participants. Lunch will cost less to be taken at the PICC Canteen.

ACCOMMODATION

Participants from places outside of Metro Manila will be booked as they desire either at hotels or at the Ateneo de Manila hostels. Pertinent information is found in the application form.

NOTE:

Booking at the Ateneo hostels will be on a first come first served basis. Guests have been contracted for the use of participants who will stay at the Ateneo and U. P. hostels.

SECOND ANNOUNCEMENT

The First Southeast Asian Conference on Mathematical Education will be held in Manila, Philippines with the assistance of the Government of the Republic of the Philippines, the International Commission on Mathematical Instruction (ICMI), the South East Asian Mathematical Society, (SEAMS) and the Mathematical Teachers Association of the Philippines (MTAP).

PLACE: Philippine International Convention Center

OPENING: Monday, May 29, 1978, 9:00 a.m.

CLOSING: Saturday, June 3, 1978, 3:30 p.m.

OBJECTIVES OF THE CONFERENCE

1. To provide a regional forum for the presentation of the results of studies made with regard to
   a) the type of mathematics programs currently offered at all levels.
   b) the type of mathematics programs that should be and could be designed so as to meet the needs of developing countries like the Philippines and other Southeast Asian countries.

   iii. the need to improve the mathematics education in the schools.

2. To examine ways of making the problems of mathematical education known to the public and to the government so as to obtain the needed support.

3. To explore ways of regional cooperation in mathematical education and research.

PROGRAMME

The programme of the Conference will be divided into plenary sessions with all participants attending and into division sessions. The divisions will be for elementary, secondary and tertiary education. Participants will indicate their areas of interest in the application form.

PLENARY SESSIONS

There will be 5 main papers for the Plenary Sessions. These papers will concern topics of general interest.

The list of mathematical organizations and their prominent mathematicians and speakers:

Fr. Bienvenido F. Nebres S.J.
   Dean, College of Arts and Sciences and of the Graduate School
   Ateneo de Manila University
   President, Mathematical Society of the Philippines, Southeast Asian Mathematical Society

The training and professional life of mathematics teachers. Equipping the teacher to play a dominant role in improving mathematical education.

Prof. Jean Dhombres, Scientific Counsellor
French Embassy, Canada

Formerly Director, Institute for Research in Main Education (Rennes, France)

Prof. Zbigniew Semadeni
   Deputy Director, Institute of Mathematics
   Polish Academy of Sciences

Chief Editor, Wiadomości Matematyczne
Teaching mathematics in the national language: Experience of some countries. (An Indonesian mathematician has been invited.)

The interaction between mathematics and society. (report of the Khartoum Math Conference)

Prof. Lee Peng Yee, Director
   Lee Kong Chian Institute of Mathematics and Computer Science, Nanyang University

DIVISION SESSIONS

Sessions of the Divisions will consist of two types: Division Meetings and lectures. At the beginning of each Division Session, one or more reports will be given by speakers who will present papers prepared in consultation with the MSP, SEAMS and the SEA National math society. Lectures will deal with specific applications of mathematics or the secondary or tertiary mathematics.

Scheduled Topics for Discussion

1. Mathematical education at the elementary level.

2. Mathematical education at the secondary level.
   a) for those going to college
   b) for those going into vocational schools
   c) for those who finish schooling at this level

3. Mathematics in the last two years of high school.

4. Mathematical education at the college level.
   a) for mathematics majors
   b) for the physical sciences
   c) for the biological sciences
   d) for the behavioral sciences
   e) for economics
   f) for engineering
   g) for social sciences

5. Mathematical education of prospective elementary, secondary and college teachers.

6. Mathematical education at the graduate level.

7. On mathematical research.
   a) How did research begin in (name of country)?
   b) What direction should mathematical research take in developing countries?
   c) Regional cooperation in research.

8. How can the problems of mathematical education be made known to the public and to our governments?

PARTIAL LIST OF SPEAKERS

Use of Calculators in Secondary Mathematics
   Prof. Sin Hitotumatu
   Research Institute of Mathematical Sciences, Kyoto University

Is the Ph.D. necessary for college teachers? Is it sufficient?
   Prof. Louise Hay, University of Illinois at Chicago Circle

The impact of computers on undergraduate education.
   Prof. Richard Larson, University of Illinois at Chicago Circle

   Prof. Teh Hoon Heng, Dean of the Faculty of Science, Nanyang University

   Prof. Chew Kim Lin
   President, Mathematics Research Society

   Prof. Arthur Engel, Prof. of Mathematical Education, University of Frankfurt, West Germany

Report on the Regional Centre for Education in Science and Mathematics (RECSAM)
   Mr. Chin Pin Sng
   Director, RECSAM

   Mr. Frank Berson
   Principal Inspector (Mathematics)
   Hong Kong

Reports on mathematical education of different SEA countries.

PANEL DISCUSSIONS AND OPEN FORUMS

Some of the invited papers and survey reports will be followed by either a panel discussion or an open forum.

PARTICIPANTS WHO WISH TO DELIVER A PAPER ON ANY OF THE TOPICS ON ANY TOPIC SCHEDULED FOR DISCUSSION AT THE DIVISION MEETINGS MAY INDICATE THIS ON THEIR APPLICATION FORM. AN ABSTRACT OF ONE PAGE SHOULD BE ATTACHED TO THE APPLICATION FORM.

WORKING GROUPS

Working groups of 10-20 members will be formed from specially delegated participants, both local and foreign. These groups will discuss in greater depth the topics discussed in the Plenary and Division meetings.