

# SINGAPORE MATHEMATICAL SOCIETY

## ANNUAL REPORT 1982

### I. MEMBERSHIP

Membership in the various categories at the end of 1982 is shown below. The figures in parentheses represent the corresponding figures for 1981.

Honorary Members	:	4 (3)
Ordinary Members	:	
Institution	:	14 (12)
Individual	:	110 (89)
Junior	:	20 (20)
Reciprocal	:	2 (2)

### II. OFFICIALS

The Officials of the Society for 1982 were:

President	:	Prof Peng Tsu Ann
Vice-Presidents	:	Mr Chan Kai Yau Prof Lee Peng Yee Prof Malcolm Wicks
Secretary	:	Dr Leong Yu Kiang
Treasurer	:	Dr Chang Boon Chong
Editor	:	Dr Cheng Kai Nah
Assistant Secretary	:	Dr Quek Tong Seng
Assistant Editors	:	Dr Shee Sze Chin Dr Tan Sie Keng
Committee Members	:	Prof Louis H Y Chen Prof Chew Kim Lin Dr Chong Chi Tat Dr Leonard Y H Yap

Dr Chan Gin Hor was elected Honorary Auditor.

### III. ACTIVITIES OF THE SOCIETY DURING THE YEAR 1982

#### 1. Publications

Two issues of Mathematical Medley were published: Vol. 9, No. 2 (December) and Vol. 10, No. 1 (June).

#### 2. Lectures

The Presidential address [(b)] was delivered at the Annual General Meeting. Five lectures were organized jointly with the Department of Mathematics, National University of Singapore.

<u>Date</u>	<u>Title</u>	<u>Speaker</u>
(a) 6 April 1982	The limits of Computation	Prof Paul Schupp University of Illinois at Urbana-Champaign and National University of Singapore
(b) 30 April 1982	How much do subgroups of a group tell us about the group?	Prof Peng Tsu Ann National University of Singapore
(c) 17 June 1982	The Goldbach Conjecture	Prof Wang Yuan Institute of Mathematics, Academia Sinica, Beijing
(d) 17 August 1982	Some remarks on the study of mathematics	Prof Masayoshi Nagata Kyoto University
(e) 8 September 1982	Some classical problems in number theory	Prof Brian Hartley University of Manchester and National University of S'pore
(f) 21 October 1982	The Gibbs-Wilbraham Phenomenon in Fourier analysis	Prof C W Onneweer University of New Mexico, Albuquerque and National University of Singapore

#### 3. Interschool Mathematical Competition 1982

The Competition was held on 3 July 1982 at Anglo-Chinese Junior College. A total of 306 students from 9 junior colleges and 45 secondary schools took part in the Competition. The members of the Competition Subcommittee were: Dr Leonard Y H Yap (Chairman), Dr Leong Yu Kiang (Secretary), Dr Cheng Kai Nah, Dr Kan Charn Huen and Dr Quek Tong Seng.

The results of the Competition were as follows:

### Team Results

<u>Position</u>	<u>School</u>	<u>Team members</u>
1	Hwa Chong Junior College	Chan Wing Chong Tham Kok Leong Chew Yong Kwang
2	Raffles Institution	Hock Kai Meng Derrick Yeng Lui Hock Foong
3	National Junior College	Kang Sing Bing Chew Kian Hoe Yuen Yew Khuin

### Individual Results

<u>Position</u>	<u>Competitor</u>	<u>School</u>
1	Kang Sing Bing	National Junior College
1	Hock Kai Meng	Raffles Institution
3	Lee Peng Peng	Catholic High School
4	Chew Yong Kwang	Hwa Chong Junior College
5	Chan Wing Chong	Hwa Chong Junior College
5	Derrick Yeng	Raffles Institution

Hwa Chong Junior College was awarded the Singapore Mathematical Society Challenge Shield for the third consecutive year and was allowed to keep the Shield. Kang Sing Bing and Hock Kai Meng shared the Southeast Asian Mathematical Society Prize of \$250. Successful individual candidates (ranking 1 to 5) received cash prizes and book vouchers. Members of the successful teams (ranking 1 to 3) received book vouchers.

The prize-giving ceremony was held on 17 August 1982 at Lecture Theatre 22, Faculty of Science, National University of Singapore. Prof Masayoshi Nagata of Kyoto University gave away the prizes and delivered a lecture (see 2(d)).

#### **4. Annual High School Mathematics Examination**

The Society sponsored the Annual High School Mathematics Examination which was conducted by the Ministry of Education, and coordinated by Mr Willie Yong, as a survey test to all Pre-University I Science and some selected Pre-University I Arts, Commerce and Secondary 4 pupils in August 1982.

#### IV. INTERNATIONAL MATHEMATICAL UNION

Prof Lee Peng Yee represented the Society at the General Assembly of the International Mathematical Union (IMU) in Warsaw, Poland, on 8 and 9 August 1982. The Executive Committee of IMU has decided to hold the International Congress of Mathematicians in Warsaw from 16 to 24 August 1983.

The Society's annual contribution to IMU has been raised from Sw. Frs. 600 to Sw. Frs. 850, effective from 1 January 1983.

#### V. GRANTS

The Society received a donation of \$6,000 from the Lee Kong Chian Centre of Mathematical Research for the Society's activities in 1982/1983.

#### VI. LIBRARY

There was only one request for the use or loan of the Society's collection of books.

#### VII. FINANCE

This item is dealt with in the Treasurer's "Statement of Income and Expenditure". The Society wishes to record its thanks to Dr Chan Gin Hor, the Honorary Auditor, for scrutinizing the accounts.

#### VIII. ACKNOWLEDGEMENTS

The Committee of the Society wishes to express its deep appreciation to Lee Foundation and the Lee Kong Chian Centre for Mathematical Research for their generous financial support; to the Department of Mathematics, National University of Singapore, for its moral and active support in the Society's activities, and to Anglo-Chinese Junior College (in particular, the Vice-Principal, Mr Lim Choon Mong) for its help in holding the Interschool Mathematical Competition. The Society would also like to thank all those who in one way or another have helped to make the activities of the past year a success.

Leong Yu Kiang  
Honorary Secretary