Singapore Mathematical Society
Annual Report 1992

I Membership

Membership in the various categories at the end of 1992 is shown below. The figures in parentheses represent the corresponding figures for 1991:

Honorary :	7	(7)
Individual :	177	(190)
Institutional :	29	(29)
Junior :	21	(29)
Reciprocal :	0	(2)

II Officials

The officials of the Society for 1992 were:

President :	Prof Leonard Y H Yap
Vice-Presidents :	Prof Chong Chi Tat
	Dr Leong Yu Kiang
	Prof S J Wilson
Hon Secretary :	Dr Chew Tuan Seng
Hon Treasurer :	Dr Ma Siu Lun
Editor :	Prof Lee Seng Luan
Asst Secretary :	Dr Tan Eng Chye
Asst Editors :	Dr Chan Shih Ping
	Dr Leung Ka Hin
Committee Members :	Mr Hang Kim Hoo
	Prof Koh Khee Meng
	Ms Ng Bee Huay
	Dr Tay Tiong Seng

III Activities of the Society during the year 1992

1. Publications

One issue of Mathematical Medley was published : Volume 20, Number 1 (June 1992). Another issue (Volume 20, Number 2) will be out soon.

2. Lectures

Five lectures were organised during the year. The Presidential Address (item (b)) was delivered at the Society's 25th Annual General Meeting. The lecture by Professor Williams (item (a)) was organised jointly with the Department of Mathematics of the National University of Singapore. The lectures by Professor Louis Chen (item (c)) and Professor Lee (item (d)) and the workshop by Dr Lim (item (e)) were organised for secondary and junior college mathematics teachers, in conjunction with the 5th Singapore National Academy of Science Congress.

Date	Title	Speaker
(a) 3 April 1992	Solving systems of linear inequalities	Prof H P Williams University of Southampton
(b) 10 April 1992	Some inequalities in Harmonic Analysis	Prof Leonard Y H Yap National University of Singapore
(c) 30 May 1992	Some Applications of probability	Prof Louis H Y Chen National University of Singapore
(d) 30 May 1992	Computer-aided design of curves and surfaces	Prof S L Lee National University of Singapore
(e) 2 June 1992	Mathematical problem Solving	Dr Lim-Teo Suat Khoh Nanyang Technological University

Dr Cheng Kah Nah was invited by Nanyang Girl's High School to give a talk on symmetry groups.

The Society sponsored the workshop on complex geometry and several complex variables, which was organised by the Department of Mathematics of the National University of Singapore. The workshop was held from 8 to 14 November 1992. The invited speaker was Prof Siu Yum Tong. There were 60 participants.

3. Mathematical Competitions 1992

The Competition Subcommittee consisted of Dr Chew Tuan Seng (Chairman), Mr Hang Kim Hoo, Dr Leung Ka Hin, Ms Ng Bee Huay, Dr Peter Y H Pang, Dr Roger K S Poh, Mr Tai Thiam Hoo, Dr Tan Eng Chye and Dr Zhu Chengbo.

"Inter-Secondary School Mathematical Competition" and "Inter-School Mathematical Competition" have been changed respectively to "Singapore Secondary School Mathematical Olympiad" and "Singapore Mathematical Olympiad".

(a) Singapore Secondary School Mathematical Olympiad

A total of 547 students from 58 secondary schools took part in the Secondary School Mathematical Olympiad on Saturday, 30 May 1992, at Hwa Chong Junior College. The team results and individual results are as follows:

Team Results		
Position	School	Team Members
1	The Chinese High School	Yan Weiliang Zhang Yiwei Zhong Huimin
2	Raffles Institution	Chen Ruixing Feng Xiutao Andrew Ng Yan Tak
3	Anglo-Chinese School	Chen Junxiang Huong Hede Lu Zhongren
4	Raffles Girls' Sec School	Tracey Ho Chui Ping Lai Wei Lin Tammy Yap Su-Jeen
5	Singapore Chinese Girls' School	Joan Khoo Joo Ching Joanne Ngeow Yuen Yie Cassandra Yap Sher Li

The winning school, The Chinese High School, was awarded the Singapore Mathematical Society Challenge Trophy.

40

Individual Results

Position	Competitor	School
1	Zhong Huimin	The Chinese High School
2	Feng Xiutao	Raffles Institution
3	Lu Zhongren	Anglo-Chinese School
4	Yan Weiliang	The Chinese High School
5	Chen Ruixing	Raffles Institution
6	Chen Junxiang	Anglo-Chinese School
7	Zhang Yiwei	The Chinese High School
8	Andrew Ng Yan Tak	Raffles Institution
9	Huang Jingxiang	Raffles Institution
10	Davin Chor	Raffles Institution

The following received honourable mentions: Tracey Ho Chui Ping (Raffles Girls' School), Huang Kuangjie (Raffles Institution), Huong Hede (Anglo-Chinese School), Lin Jianqiao (The Chinese High School), Wu Jia Cheng (Anglo-Chinese School), Tammy Yap Su-Jeen (Raffles Girls' School).

The individual winner, Zhong Huimin of The Chinese High School, was awarded the Liew Mai Heng Memorial Prize.

(b) Singapore Mathematical Olympiad

A total of 123 students from 10 junior colleges and 12 secondary schools took part in the Singapore Mathematical Olympiad on Saturday, 20 June 1992, at the National University of Singapore. The team results and individual results are as follows:

Team Results

Position	School	Team Members
1	Hwa Chong Junior College	Chua Chek Beng Lim Chu Wee Ng Chee We
2	The Chinese High School	Yan Weiliang Zhang Yiwei Zhong Huimin
3	Raffles Institution	Feng Xiutao Andrew Ng Yan Tak Davin Zou Hanbin

41

The winning school, Hwa Chong Junior College, was awarded the Singapore Mathematical Society Challenge Shield and the team members were awarded the Southeast Asian Mathematical Society Prize.

Individual Results

Position	Competitor	School
1	Zhong Huimin	The Chinese High School
2	Chua Chek Beng	Hwa Chong Junior College
3	Lim Chu Wee	Hwa Chong Junior College
4	Feng Xiutao	Raffles Institution
5	Andrew Teng Huei Chong	Raffles Junior College

The following received honourable mentions: Chan Keng Lee (Temasek Junior College); Chen Junxiang (Anglo-Chinese School), Chin Siang Ngiap (Hwa Chong Junior College); Chong Jyh Tar (Hwa Chong Junior College), Tracey Ho Chui Ping (Raffles Girls' School), Hung Hing Shan (Raffles Junior College), Ng Chee We (Hwa Chong Junior College), Andrew Ng Yan Tak (Raffles Institution), Ng Wee Teck (Hwa Chong Junior College), Yan Weiliang (The Chinese High School), Zhang Yiwei (The Chinese High School), Davin Zou Hanbin (Raffles Institution).

The individual winner, Zhong Huimin of The Chinese High School, was awarded the Singapore Mathematical Society Prize.

The prize-giving ceremony was held on 2 October 1992 at Lecture Theatre 21, Faculty of Science, National University of Singapore. Professor Peng Tsu Ann, Head of the Department of Mathematics, NUS, gave away the prizes.

A grant of $3000 was provided by the Ministry of Education for part of the expenses incurred in the above competitions.

4. 33rd International Mathematical Olympiad (IMO)

Singapore participated in the 33rd International Mathematical Olympiad in Moscow, from 10 to 22 July 1992. The Singapore team consisted of Dr Tay Tiong Seng (Team Leader), Ms Ng Bee Huay (Deputy Leader), and the following six students: Chua Chek Beng (Hwa Chong J C), Feng Xiutao (Raffles Institution), Ben Liang Yongli (Raffles J C), Lim Chu Wee (Hwa Chong J C), Ng Chee We (Hwa Chong J C) and Andrew Teng Huei Chong (Raffles J C). Lim Chu Wee won a silver medal. Chua Chek Beng, Ng Chee We and Feng Xiutao won a bronze medal each. The Singapore team was ranked 26 among 56 teams participating in the competition.

The Singapore Mathematical Olympiad Traning Committee (1992) consisted of Prof Koh Khee Meng (Chairman), Dr Chan Shih Ping, Mrs Chang Swee Tong, Prof Chen Chuan Chong, Mr Foo See Bon, Mr Hang Kim Hoo, Dr He Xuming, Mr Ho Foo Him, Dr Leong Yu Kiang, Ms Lim Bee Hiong, Dr T R Nanda, Ms Ng Bee Huay, Dr Roger Poh, Dr Qu Ruibin, Dr Sun Yeneng, Mr Tan Teng Wah, Dr Tay Tiong Seng, Dr Tay Yong Chiang, Dr Wong Yan Loi.

5. Asian Pacific Mathematical Olympiad

An Asian Pacific Mathematical Olympiad (APMO) was organised by Australia with representatives from Canada, Colombia, Hong Kong, Indonesia, Korea, Mexico, New Zealand, Philippines, Singapore, Taiwan and Thailand. Singapore was represented by Prof Koh Khee Meng.

The APMO test was conducted separately in the participating countries and was held on 14 March 1992 for the Singapore contestants. The following students obtained the following results : Lim Chu Wee (gold), Chua Chek Beng (silver), Hung Hing Shan (silver), Ng Chee We (bronze), Andrew Teng Huei Chong (bronze), Ben Liang Yongli (bronze), Zhang Zhanwei (bronze), Feng Xiutao (honourable mention), Zeng Xiangye (honourable mention), Ng Wee Teck (honourable mention).

IV School Teachers Subcommittee

The School Teachers Subcommittee consisted of Mr Hang Kim Hoo (Chairman), Ms Ng Bee Huay (Secretary), Mr Ho Foo Him and Mr Tai Thiam Hoo.

The Subcommittee helped in organising the Singapore Secondary School Mathematical Olympiad, the Singapore Mathematical Olympiad and in training the Singapore team for the International Mathematical Olympiad.

The Subcommittee organised two talks and one workshop for secondary and junior college mathematics teachers, in conjunction with the 5th Singapore National Academy of Science Congress, see III 2 items (c), (d) and (e). Each talk was attended by about 290 mathematics teachers. The workshop was attended by about 60 mathematics teachers.

V Finance

This is dealt with in the Treasurer's report. The Society wishes to record its thanks to the Honorary Auditor, Dr Chan Yiu Man, for scrutinizing the accounts.

VI Acknowledgements

Chew Tuan Seng
Hon Secretary

18 February 1993