

## NEWS AND ACTIVITIES OF THE SOCIETY

### Annual General Meeting

At the 17th Annual General Meeting held on Friday, 16 March 1984, at 3.00 pm in Seminar Room 5, Faculty of Science, National University of Singapore, the following Committee for 1984 was elected:

President	:	Prof Louis H Y Chen
Vice-Presidents	:	Mr Chan Kai Yau Prof Lam Lay Yong Prof Malcolm Wicks
Secretary	:	Dr Leong Yu Kiang
Treasurer	:	Dr Lim Keng Suan
Editor	:	Prof Chen Chuan Chong
Assistant Secretary	:	Dr Chong Chi Tat
Assistant Editors	:	Dr Koh Khee Meng Dr Shee Sze Chin
Committee Members	:	Dr Jon Berrick Prof Chew Kim Lin Prof Peng Tsu Ann Prof Leonard Y H Yap

### Special General Meeting

At a Special General Meeting held on Thursday, 3 May 1984, at 3.00 pm in the Mathematical Laboratory, Department of Mathematics, National University of Singapore, Professor Richard K. Guy was elected an Honorary Member of the Society for his contributions to the Society as a founder member, secretary and editor in the formative years of the then Malayan Mathematical Society, the precursor of the Society.

Dr R.C. Gupta was elected Honorary Auditor for 1984.

### Fourth SNAS Congress

In conjunction with the Fourth Congress of the Singapore National Academy of Science (SNAS) held from 28-30 May 1984, the Society organised a Mathematical Symposium on "The use of computers in mathematical research and education" on Monday, 28 May 1984, in Lecture Theatre 23, Faculty of Science, National University of Singapore.

2. The following talks were given at the Symposium:

- (a) "APL in mathematics research and teaching" by Prof Teh Hoon Heng, NUS;
- (b) "A heuristic search for a shortest chain subject to side constraints" by Dr Peter C.T. Tung;
- (c) "Euclid, Eratosthenes and the micro" by Prof Peng Tsu Ann, NUS;
- (d) "Some modern trends in computer-assisted instruction" by Dr Kho Tek Hong, CDIS;
- (e) "Teaching data base through micro-PROLOG" by Mr Ho Soo Thong, CDIS.

Date	Honorary Members: Ordinary Members: Institutions: Individuals: Resiprocal: S (S)	Speaker
(a) 27 January 1983	Mathematics and games II. Officials	Prof P S Bullen University of British Columbia, Canada
(b) 10 February 1983	The Officials of the Society for 1983 were: President: Prof Chew Kim Lin Vice-Presidents: Mr Chan Kai Yan Prof Lee Peng Yee Prof Malcolm Wilks Secretary: Dr Leong Yu Kiang Treasurer: Dr Lim Keng Suan Editor (Medley): Prof Chen Chuan Chong Editor (Bulletin): Dr Cheng Kai Nin Chairman: Dr Chong Chi Tat Assistant Secretary: Dr Cheuk Tong Seng Assistant Editors: Dr Koh Khee Meng Dr Shee Sze Ching	Prof Nagayoshi Iwahori University of Tokyo, Japan
(c) 26 March 1983	Committee Members: Prof Louis Y Chen Prof Peng Tan Ann Prof Leonard Y H Yap	Prof Peng Tsu Ann National University of Singapore
(d) 14 April 1983	Committee Members: Prof Louis Y Chen Prof Peng Tan Ann Prof Leonard Y H Yap	Prof Kai Lai Chung Stanford University, USA
(e) 27 September 1983	Committee Members: Prof Louis Y Chen Prof Peng Tan Ann Prof Leonard Y H Yap	Prof S J D Ross University of Illinois at Urbana-Champaign, USA
(f) 14 October 1983	Committee Members: Prof Louis Y Chen Prof Peng Tan Ann Prof Leonard Y H Yap	Prof C F Miller III University of Melbourne Australia
(g) 13 December 1983	Committee Members: Prof Louis Y Chen Prof Peng Tan Ann Prof Leonard Y H Yap	Prof Shui-Nee Chow Michigan State University, USA

3. III. Activities of the Society during the year 1983

1. Publications  
A total of 10 journal papers and 2 book reviews were published in the Journal of Mathematical Modelling during the year 1983. Two issues of Mathematical Modelling were published (December 1982) and Volume II, Number II (June 1983).

# SINGAPORE MATHEMATICAL SOCIETY

## Annual Report 1983

### I. Membership

Membership in the various categories at the end of 1983 is shown below. The figures in parentheses represent the corresponding figures for 1982.

Honorary Members:	4 (4)
Ordinary Members:	
Institutions:	17 (14)
Individuals:	124 (110)
Junior:	11 (20)
Reciprocal:	2 (2)

### II. Officials

The Officials of the Society for 1983 were:

President:	Prof Chew Kim Lin
Vice-Presidents:	Mr Chan Kai Yau Prof Lee Peng Yee Prof Malcolm Wicks
Secretary:	Dr Leong Yu Kiang
Treasurer:	Dr Lim Keng Suan
Editor (Medley):	Prof Chen Chuan Chong
Editor (Bulletin):	Dr Cheng Kai Nah
Librarian:	Dr Chong Chi Tat
Assistant Secretary:	Dr Quek Tong Seng
Assistant Editors:	Dr Koh Khee Meng Dr Shee Sze Chin
Committee Members:	Dr Jon Berrick Prof Louis H Y Chen Prof Peng Tsu Ann Prof Leonard Y H Yap

Dr C J Chapman was elected Honorary Auditor.

### III. Activities of the Society during the year 1983

#### 1. Publications

Two issues of Mathematical Medley were published : Volume 10, Number 2 (December 1982) and Volume 11, Number 1 (June 1983).

## 2. Lectures

The Presidential Address[(c)] was delivered at the Annual General Meeting. Prof J S Robinson gave a lecture [(e)] at the prize-giving ceremony of the Interschool Mathematical Competition (see below 3) . Five other lectures were organised jointly with the Department of Mathematics, National University of Singapore.

Date	Title	Speaker
(a) 27 January 1983	Integration by parts for the Perron Integral	Prof P S Bullen University of British Columbia, Canada
(b) 10 February 1983	Mathematics and games	Prof Nagayoshi Iwahori University of Tokyo, Japan
(c) 25 March 1983	Basic arithmetic on the micro	Prof Peng Tsu Ann National University of Singapore
(d) 14 April 1983	Mathematics and applications	Prof Kai Lai Chung Stanford University, USA
(e) 27 September 1983	What is group theory and what do group theorists do?	Prof D J S Robinson University of Illinois at Urbana-Champaign USA
(f) 14 October 1983	Computable algebra	Prof C F Miller III University of Melbourne Australia
(g) 13 December 1983	How to find a fixed point	Prof Shui-Nee Chow Michigan State University, USA

## 3. Interschool Mathematical Competition 1983

The Competition was held on 2 July 1983 at Hwa Chong Junior College. A total of 289 students from 9 junior colleges and 42 secondary schools took part in the Competition.

The results of the Competition were as follows:

Team Results

Position	School	Team members
1	Raffles Junior College	Hock Kai Meng Lee Sin Yeung Yuen Wing Yau
1	Temasek Junior College	Lu Weiqiang Fang Jianhua Zhang Hanwen
3	Hwa Chong Junior College	Ng Kok Poh Lim Kok Hwee Seah Lye Khim

Individual Results

Position	Competitor	School
1	Lee Sing Yeung	Raffles Junior College
2	Lu Weiqiang	Tamasek Junior College
3	Zhang Hanwen	Tamasek Junior College
4	Hock Kai Meng	Raffles Junior College
5	William Hsu Shang Wi	National Junior College
5	Ng Kok Poh	Hwa Chong Junior College

Raffles Junior College and Tamasek Junior College were jointly awarded the Singapore Mathematical Society Challenge Shield. Lee Sin Yeung was awarded the Southeast Asian Mathematical Society Prize. Successful individual candidates (ranking 1 - 5) received cash prizes and book vouchers. Members of the successful teams (ranking 1 - 3) received book vouchers.

The prize-giving ceremony was held on 27 September 1983 at Lecture Theatre 22, Faculty of Science, National University of Singapore. Prof D J S Robinson of the University of Illinois at Urbana-Champaign, USA, gave away the prizes and delivered a lecture. (see 2(e)).

IV. International Congress of Mathematicians

Dr Quek Tong Seng, attended the International Congress of Mathematicians in Warsaw, Poland, from 16 - 24 August 1983 with the aid of a Travel Grant for young Mathematicians from Developing Countries given by the International Mathematical Union.

## V. Finance

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

## VI. Future Activities

### 1. Mathematical Symposium

In conjunction with the Fourth Congress of the Singapore National Academy of Science (SNAS) which will be held from 28 May to 30 May 1984, the Society will hold a Mathematical Symposium on "The use of computers in mathematical research and education" on 28 May 1984 at the National University of Singapore, Kent Ridge.

### 2. Workshop on "Time series and its applications"

The Society will jointly organise with the Department of Mathematics, National University of Singapore, a workshop on "Time series and its applications" from 24 October to 26 October 1984 at the National University of Singapore, Kent Ridge. The Workshop will be supported by the Southeast Asian Mathematical Society (SEAMS) and recognised by the Bernoulli Society as one of its regional meetings.

## VII. Acknowledgements

The Committee of the Society wishes to express its deep appreciation to Lee Foundation and the Lee Kong Chian Centre of Mathematical Research for their generous financial support; to the Department of Mathematics, National University of Singapore, for its active support and participation in the Society's activities; and to Mr Fong Fook Chak, Principal of Hwa Chong Junior College, and his staff for their help in holding the Interschool Mathematical Competition. The Society would also like to thank all those who have helped to make the activities of the year such a success.

Leong Yu Kiang  
Honorary Secretary

28 February 1984