ANNUAL REPORT 1985

I Membership

Membership in the various categories at the end of 1985 is shown below. The figures in parentheses represent the corresponding figures for 1984.

Honorary Members : 6 (5)

Ordinary Members

Institution : 26 (18)

Individual : 148 (114)

Junior : 16 (5)

Reciprocal : 2 (2)

II Officials

The officials of the Society for 1985 were :

President : Prof Lam Lay Yong

Vice-Presidents : Prof Chew Kim Lin
Prof Peng Tsu Ann
Prof Malcolm J. Wicks

Honorary Secretary : Dr Cheng Kai Nah

Honorary Treasurer : Dr Lim Keng Suan

Editor : Dr Leong Yu Kiang

Assistant Secretary : Dr Tay Yong Chiang

Assistant Editors : Prof Chong Chi Tat
Dr Koh Khee Meng

Committee Members : Dr Jon Berrick
Prof Chen Chuan Chong
Mr Liew Mai Heng
Prof Leonard Yap Yau Hock

Dr Lim Suat Khoh was the Honorary Auditor.

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III   Activities of the Society during the year 1985

1.   Publications

One issue of Mathematical Medley was published : Volume 12, Number 2 (December 1984).

2.   Lectures

The Presidential Address ((b) below) was delivered at the Annual General Meeting on 26 April 1985. Prof Brian Hartley gave a lecture ((d) below) at the prize-giving ceremony of the Interschool Mathematical Competition. Two other lectures were jointly organised with the Department of Mathematics, National University of Singapore.

	Date	Title	Speaker
(a)	14 Feb 1985	$\Delta = b^2 - 4ac$	Prof Jean-Pierre Serre College de France France
(b)	26 Apr 1985	Central limit theorems for random fields	Prof Louis H Y Chen National University of Singapore
(c)	13 Jun 1985	Sums of squares of polynomials - one hundred years	Prof Tsit-Yuen Lam University of California Berkeley USA
(d)	12 Sep 1985	Primes numbers and cryptography	Prof Brian Hartley University of Manchester England

3.   Interschool Mathematical Competition 1985

A total of 284 students from 9 junior colleges and 42 secondary schools took part in the Competition held on 29 June 1985 at Hwa Chong Junior College.

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The results of the Competition were as follows :

Team Results

Position	School	Team members
1	Hwa Chong Junior College (Team 2)	Pang Chin Ming Chin Po Shin Loke Hung Yean
2	Raffles Junior College	Ng Foo Keong Hui Chzi-Hon Woo Kang Wei
3	Hwa Chong Junior College (Team 1)	Ng Kok Onn Loh Khai Peng Kok Chee Chun

Individual Results

Position	Competitor	School
1	Loke Hung Yean	Hwa Chong Junior College
2	Ng Kok Onn	Hwa Chong Junior College
3	Chan Hock Peng	Anglo-Chinese Secondary School
4	Lai Kin Seng	Raffles Junior College
5	Zeng Heng Fa	National Junior Colelge

Hwa Chong Junior College was awarded the Singapore Mathematical Society Challenge Shield. Loke Hung Yean was awarded the Southeast Asian Mathematical Society Prize. 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 12 September 1985 at Lecture Theatre 24, Faculty of Science, National University of Singapore. Prof Brian Hartley, Visiting Professor at the National University of Singapore, gave away the prizes and delivered a lecture (see 2(d)).

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The Competition Subcommittee consisted of the following :
Prof Chen Chuan Chong (Chairman), Mrs Lim Suat Khoh (Secretary),
Dr Thomas Bier, Dr Daniel Flath, Dr Koh Khee Meng and Dr Tay
Tiong Seng.

4.   School Subcommittee

      A School Subcommittee was formed in 1985 with the
objectives of assisting the Committee to identify and meet the
requirements of members from the schools. The Subcommittee
comprised the following :

              Chairman   : Mr Liew Mai Heng

              Secretary   : Miss Kuo Wei Chuang

              Treasurer   : Miss Chung Yam Yoke

      Committee Members   : Mr Ho Foo Him
                             Mr Leuar Boon Char
                             Mr Soon Yu Tiong

      A workshop on linear algebra and its teaching for school
teachers was organised in September 1985 (see V below).

IV Singapore Topology Conference

      The Department of Mathematics, National University of
Singapore, and the Society jointly organised a "Singapore
Topology Conference" at the National University of Singapore from
June 10 to 15, 1985. The Conference was preceded by a Workshop
from June 4 to 8.

      Two workshops were conducted : "Homology of groups" by Prof
P J Hilton and "Algebraic K-theory" by Dr A J Berrick. The
lecture notes will be published in the Southeast Asian Bulletin
of Mathematics. There were 34 lectures given at the Conference.
The Conference Proceedings will be published as a special issue
of the North Holland journal "Topology and its Applications". 21
contributed papers have been received and are being reviewed.

      The Conference attracted 80 participants from 23 countries
and the workshop was attended by more than 30 people. 14
participants were sponsored by SEAMS with financial support from
Unesco.

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A Conference Dinner was held at Hotel Equatorial.

Major financial support was provided by the Lee Foundation through the Lee Kong Chian Centre for Mathematical Research and the Singapore Turf Club. Additional assistance came from the Society, Shell Eastern Petroleum Ltd, British Council and Fraser & Neave (S) Pte Ltd.

Members of the Organising Committee were Prof Malcolm J Wicks (Chairman), Dr A Jon Berrick (Secretary), Dr Thomas Bier, Dr Fred P F Leung and Dr Ng Tze Beng.

V Workshop on Linear Algebra and its Teaching

The Workshop was proposed by the School Subcommittee in view of the introduction of the new "Syllabus C" for G.C.E. A-Level Mathematics and Further Mathematics in 1986. It was jointly organised with the Department of Mathematics, National University of Singapore and was held on September 9 and 10, 1985 at Lecture Theatre 24, Faculty of Science, National University of Singapore.

Lectures covering history, contents, applications and teaching of linear algebra relevant to the school situations were delivered at the Workshop by the following invited speakers : Prof Chong Chi Tat (NUS), Dr Koh Khee Meng (NUS), Dr Fred Leung Pui Fai (NUS), Dr Brett T McInnes (NUS), Dr T R Nanda (NUS), Dr Ong Sit Tui (Institute of Education, Singapore), Dr Eric Plant (Institute of Education, Singapore) and Dr Tan Sie Keng (NUS).

The Workshop was attended by more than 100 people consisting mainly of teachers from junior colleges.

VI Election of Mr Chan Kai Yau as Honorary Member

Mr Chan Kai Yau was elected as an Honorary Member of the Society in recognition of his long service to the Society, first as a Secretary in the early years of the Society and later as a Vice-President of the Society.

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VII Finance

This item is dealt with in the Treasurer's report. The Society wishes to record its thanks to the Honorary Auditor, Dr Lim Suat Khoh, for scrutinizing the accounts.

VIII Library

A complete set of the Society's publications and a collection of books are now on display in the Lee Kong Chian Centre for Mathematical Research, Department of Mathematics, National University of Singapore.

IX Acknowledgements

The Committee of the Society wishes to express its thanks to the Lee Kong Chian Centre for Mathematical Research for its continued financial support; to the Tan Kah Kee Foundation for its donation, to Southeast Asian Mathematical Society for donating the SEAMS Prize for the Interschool Mathematical Competition and for making available its Unesco fund to assist some of the participants at the Topology Conference and Workshop; to Hwa Chong Junior College for the use of its school facilities for the Competition and to the Department of Mathematics, National University of Singapore for its support and cooperation.

20 March 1986

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