1975 Inter-school Mathematical Competition

The Society held its 1975 Singapore Inter-school Mathematical Competition on June 2, 1975. A total of 123 secondary and pre-university students from 23 schools participated in this pre-university level competition. Each school was allowed to send two teams, each team comprising three students. The competition consisted of two papers. The first paper was held in the morning, the second paper in the afternoon. The competition problems are reproduced in this issue together with some of their solutions.

The prize of US $ 100, donated by the South-east Asian Mathematical Society for the promotion of mathematics in regional countries, goes to the individual winner TEO SIONG KHOW of National Junior College.

The Singapore Mathematical Society Challenge Shield goes to the team winner, Team 1 of National Junior College, comprising TEO SIONG KHOW, LOH HAN TONG and TSAI WEI KANG.

CHEW TUAN CHIONG and TAY YONG CHIANG, both of Raffles Institution, share the second place in the individual results. The next position is shared by CHAN HOCK CHUAN of Hwa Chong Junior College, and WONG HONG MUN and LOH HAN TONG, both of National Junior College. These five students will receive cash prizes donated by the Lee Foundation through the Lee Kong Chian Institute of Mathematics.

The team that ranks second is Team 1 of Montfort Secondary School, whose members are QUEK SER TONG, FANG YEA SAEN, and CHIAN THOR JIT. Team 2 of National

Junior College, comprising TAN NGIAP HOE, DAVID CHUA and WONG HONG MUN, occupies the third place. All three winning team will receive book prizes donated by Federal Publications Sdn. Bhd.

The following students (in alphabetical order) are commended for their good performance: FANG YEA SAEN of Montfort Secondary School, HEE JUAY GUAN of Hwa Chong Junior College, QUEK SER TONG of Montfort Secondary School, SIEW CHEE KIN of St. Joseph's Institution, and WONG CHEE TECK of Anglo-Chinese School.

Talks

During the period May - August 1975, the Society held the following colloquium talks: May 15: 'Maximum Flow in Vertex Weighted Network' by Dr. G. H. Chan, Nanyang University; July 3: 'From the Logical Point of View - Two Principles in Mathematical Logic' by Dr. C. T. Chong, University of Singapore; July 31: 'Conway Numbers - Large and Small' by Prof. E. C. Milner, University of Calgary, Canada; August 14: 'An Algorithm for Determining Frattini Sublattices of Finite Distributive Lattices' by Dr. K. M. Koh, Nanyang University.

Public Lectures

Dr. P. Y. Lee of Nanyang University delivered on August 28 a public lecture entitled 'Magic Squares and Doodling'.

A public lecture by Dr. L. H. Y. Chen of the University of Singapore, entitled 'A Law of Averages', is being organized for October by the Society.

Donation

The Society has received, through the Lee Kong Chian Institute of Mathematics, a grant from the Lee Foundation to cover the following 1975 activities: publications, mathematical competition, and refresher courses.