Singapore Mathematical Olympiad 2003

A Report by Helmer ASLAKSEN

The Singapore Mathematical Society (SMS) has organised the Singapore Mathematical Olympiad (SMO) annually since the 1950's. It is the largest and oldest mathematics competition in Singapore. Over the last few years, with the Department of Mathematics, National University of Singapore as co-organizer, the SMO has expanded significantly. In spite of SARS, 7475 students from 126 secondary schools and junior colleges took part in the SMO in June and July. This was only a marginal decline from last year's record-high total of 7,564 students. The details of the five competitions are as follows:

1. The Singapore Mathematical Olympiad (Junior Section) for lower secondary school students born after 1 January 1989.
2. The Singapore Secondary School Mathematical Competition (Junior Section) for normal stream secondary one, two and three students born after 1 January 1989.
3. The Singapore Mathematical Olympiad (Senior Section) for all secondary school students born after 1 January 1987.
4. The Singapore Secondary School Mathematical Competition (Senior Section) for all normal stream secondary school students born after 1 January 1987.
5. The Singapore Mathematical Olympiad (Open Section) for secondary school and junior college students.

Team and Individual cash prizes are awarded in addition to Gold, Silver, Bronze and Honourable Mention awards. Starting from this year, we are aiming to make the SMO better measure the mathematical proficiency of the students, and the Gold, Silver, Bronze and Honourable Mention certificates will be awarded to students who meet set criteria that are dependent on the level of difficulty of the competition. This has lead to an increase in the number of awards.

By increasing the number of questions aimed at measuring the proficiency of the students, the SMO will be suitable for the better normal stream students. From next year onwards the Singapore Secondary School Mathematical Competition will no longer be held.

The Prize Presentation Ceremony was held at the Chinese High School on Saturday 20 September 2003. The Guest of Honour was Mr Tharman Shanmugaratnam, Acting Minister of Education.

The competitions were sponsored by the Lee Foundation and partially supported by a financial grant from the Ministry of Education.

The Mathematical Competition Subcommittee consisted of A/P Helmer Aslaksen (Chairman), Dr Victor Tan (coordinator for the Junior Section), A/P Tan Eng Chye, Mr Ng Wee Seng, A/P Yang Yue, Mr David Chia, A/P To Wing Keung (coordinator for the Senior Section), Mr Hang Kim Hoo, A/P Chua Seng Kee, Mr Ng Kah Loon, Dr Tay Eng Guan, Dr Roger Poh (coordinator for the Open Section), A/P Tay Tiong Seng, Dr Wong Yan Loi, A/P Denny Leung, Dr Teo Kok Ming.

SINGAPORE MATHEMATICAL OLYMPIAD 2003, JUNIOR SECTION (TEAM)

1st Prize   The Chinese High School
Lim Wei Quan, Chen Jinquan, Hang Hao Chuien
Winner of Singapore Mathematical Society
Challenge Trophy

2nd Prize   Raffles Institution
Xia Yi, Dominic Sim Hanrong, Zhu Feng, Loke
Gar Goei, Ong Chee Chin

3rd Prize   Raffles Girls' Secondary School
Quah Wan Jen Cheryl, Tan Wei Lin, Sim Jingwei

SINGAPORE MATHEMATICAL OLYMPIAD 2003, JUNIOR SECTION (INDIVIDUAL)

1st Prize   Hang Hao Chuien, The Chinese High School
Winner of Liew Mai Heng Memorial Prize (Junior
Section)

2nd Prize   Lim Wei Quan, The Chinese High School

3rd Prize (tie)   Quah Wan Jen Cheryl, Raffles Girls' Secondary
School
Zhu Feng, Raffles Institution

SINGAPORE SECONDARY SCHOOL MATHEMATICAL COMPETITION 2003, JUNIOR SECTION (TEAM)

1st Prize   Yuying Secondary School
Shou Chengchen, Zhou Ran, Zhang Hai

2nd Prize   Bedok Town Secondary School
Li Tianzhu, Su Kang, Ma Thazin Lwin

3rd Prize   Gan Eng Seng Secondary School
Ding Jinbo, Chng Jie Qi Jackie, Monteiro Aloysius
Jianqiang

SINGAPORE SECONDARY SCHOOL MATHEMATICAL COMPETITION 2003, JUNIOR SECTION (INDIVIDUAL)

1st Prize   Zhang Hai, Yuying Secondary School

2nd Prize   Shou Chengchen, Yuying Secondary School

3rd Prize (tie)   Chng Jie Qi Jackie, Gan Eng Seng Secondary
School
Tan Cheng Ye, Hougang Secondary School
Yin Kan, MacPherson Secondary School

SINGAPORE MATHEMATICAL OLYMPIAD 2003, SENIOR SECTION (TEAM)

1st Prize   Raffles Institution
Hoang Trong Minh Vi, Wang Zhiyan, Chin
Weicheng
Winner of Singapore National Academy of
Science Challenge Shield

2nd Prize   The Chinese High School
Di Junwei, Wu Lei, Ho Jun Feng Jack, Kueh Ju
Lui Andre

3rd Prize   Anglo-Chinese School (Independent)
Liu Si Yuan, Mao Pei Yuan, Chen Chongli Daniel,
Tay Jingyi Kenneth

SINGAPORE MATHEMATICAL OLYMPIAD 2003, SENIOR SECTION (INDIVIDUAL)

1st Prize   Tay Jingyi Kenneth, Anglo-Chinese School
(Independent)
Winner of Liew Mai Heng Memorial Prize (Senior
Section)

2nd Prize   Kueh Ju Lui Andre, The Chinese High School

3rd Prize   Wang Sheng Tao, Anglican High School

SINGAPORE SECONDARY SCHOOL MATHEMATICAL COMPETITION 2003, SENIOR SECTION (TEAM)

1st Prize   Mayflower Secondary School
Cui Boxuan, Huang Si Yun, He Chaoyu, Lu Zhong

2nd Prize   Bedok Town Secondary School
Wu Xiaojing, Lim De Wei Roy, Ma Wenting

3rd Prize   MacPherson Secondary School
Zhong Ya Ding, Liu Qiang, Lu Ting

SINGAPORE SECONDARY SCHOOL MATHEMATICAL COMPETITION 2003, SENIOR SECTION (INDIVIDUAL)

1st Prize (tie)   He Chaoyu, Mayflower Secondary School
Wu Xiao Qiang, Monks' Hill Secondary School

3rd Prize (tie)   Wu Xiaojing, Bedok Town Secondary School
Ma Wenting, Bedok Town Secondary School
Lu Ting, MacPherson Secondary School

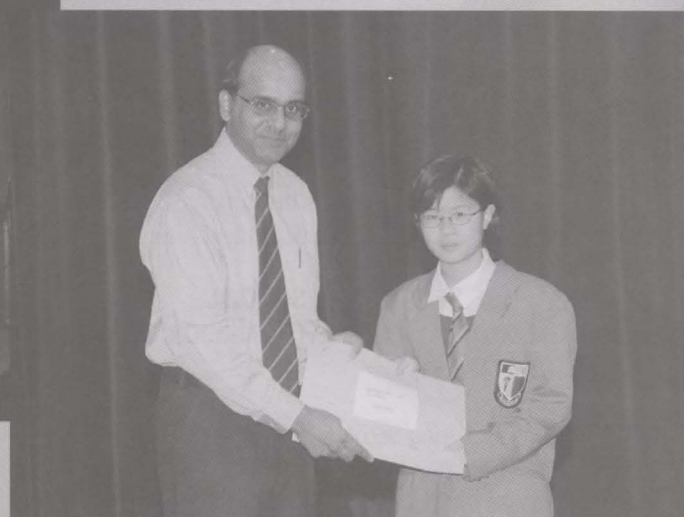## SINGAPORE MATHEMATICAL OLYMPIAD 2003, OPEN SECTION (TEAM)

1st Prize   Raffles Junior College
Yang Zhaoxuan, Huangsha, Joel Tay
Winner of Southeast Asian Mathematical Society
Prize & Singapore Mathematical Society
Challenge Shield

2nd Prize   Hwa Chong Junior College
Li Zhi, Deng Haidong, Ji Feng

3rd Prize   National Junior College
Meng Deshuo, Teo Weihao, Tan Cheow Chuan

SINGAPORE MATHEMATICAL OLYMPIAD 2003, OPEN SECTION (INDIVIDUAL)

1st Prize   Joel Tay, Raffles Junior College
Winner of Singapore Mathematical Society Prize

2nd Prize   Dinh Thi Theu, Anglo-Chinese Junior College

3rd Prize   Tay Jingyi Kenneth, Anglo-Chinese School (Independent)

Singapore Mathematical Olympiad (Junior Section)
*3rd Individual Prize, Quah Wan Jen Cheryl,
Raffles Girls' School (Secondary)* ▼

▲ Singapore Mathematics Project Festival (Senior Section)
*Best Project, Winner of Foo Kean Pew Memorial Prize (Senior
Section), & Singapore Mathematical Society Shield (Senior Section)*

Singapore Team to the
44th International Mathematical Olympiad ▼

▲ Singapore Secondary School Mathematical Competition
(Junior Section)
3rd Individual Prize, Yin Kan, MacPherson Secondary School

More photos can be found at http://sms.math.nus.edu.sg/competitions/SMSceremony2003.pdf