

NEWS AND ACTIVITIES OF THE SOCIETY

Talks to junior colleges

The Society organised nine talks to junior colleges during September and October.

The speakers were C.C. Chen, K.M. Koh, P.Y. Lee and H.H. Teh (of Nanyang University), and K.N. Cheng, C.T. Chong and Y.K. Leong (of University of Singapore).

- 1) 30 September 1978 "Mathematicians of today" by C.T. Chong at Hwa Chong Junior College.
- 2) 2 October 1978 "Great mathematicians and their contributions" by H.H. Teh at Hwa Chong Junior College.
- 3) 3 October 1978 "What is mathematical research?" by C.T. Chong at Anglo-Chinese Junior College.
- 4) 4 October 1978 "Mathematical modeling" by P.Y. Lee at Temasek Junior College.
- 5) 6 October 1978 "Mathematical discoveries" by K.N. Cheng at Catholic Junior College.
- 6) 7 October 1978 "Some stories about prime numbers" by K.M. Koh at National Junior College.
- 7) 10 October 1978 "Summing series by diagrams" by P.Y. Lee at Anglo-Chinese Junior College.
- 8) 11 October 1978 "Intuition and counter-intuition in mathematics" by Y.K. Leong at Temasek Junior College.
- 9) 13 October 1978 "What is a graph?" by C.C. Chen at Catholic Junior College.

Lectures

- (1) Thursday, 23 November 1978 "A combinatorial problem involving electrical circuits" by Douglas Rogers (University of Oxford and University of Western Australia).
- (2) Thursday, 21 December 1978 "Design and use of nonlinear optimization software" by L.S. Lasdon (University of Texas at Austin, U.S.A.)

Lecture (1) was organised jointly with the Departments of Mathematics of Nanyang University and University of Singapore, and Lecture (2) with the Department of Mathematics, University of Singapore, and Operational Research Society of Singapore.

Seminar on group theory and related topics

The above seminar was held on 1 and 2 September 1978 at New Lecture Theatre 2, Bukit Timah Joint Campus, and was organised by the Department of Mathematics, University of Singapore, Lee Kong Chian Institute of Mathematics and Computer Science, Nanyang University, and the Society.

It was attended by 35 participants from the Australian National University, Murdoch University (Australia), National Cheng-chi University (Taiwan), University of Malaya, Universiti Kebangsaan Malaysia, Nanyang University, University of Singapore and Catholic Junior College.

SOME NEW RUMOURS IN GROUP THEORY

The programme was as follows:

Friday, 1 September 1978

0900 Registration

0915 Welcome Address

Professor P.H. Diananda

0925 Invited Lecture: *"Some new rumours in group theory"*

Professor B.H. Neumann, F.A.A., F.R.S.

Chairman: Professor M.J. Wicks

1030 Refreshments

1100 Contributed Papers

Chairman: Dr. Peng Tsu Ann

"Whitehead's First Theorem for Free Groups"

by Professor M.J. Wicks

"Finite 2-groups of Class Two with Cyclic Centre"

by Dr. Leong Yu Kiang

Saturday, 2 September 1978

0930 Invited Lecture: *"On a problem of Ian D. Macdonald"*

Professor B.H. Neumann, F.A.A., F.R.S.

Chairman: Professor Teh Hoon Heng

1030 Refreshments

1100 Contributed Papers

Chairman: Professor K.L. Chew

"Lovasz's conjecture"

by Professor Teh Hoon Heng

"Some Results on Metanilpotent Groups"

by Dr. Peng Tsu Ann

"Group Objects in a Category with Finite Products"

by Dr. Tan Sie Keng

The texts of the two invited lectures and the abstracts of contributed papers which have been received for publication form the Proceedings of the Seminar on pp. 100 - 116.