The Daily Group Theorist

Burnside Edition 4th August 1997 No. 8

Burnside Day Talks

Chair: Mike Newman

09:00 Katzarkov: Projective surfaces, symplectic fourfolds and Burnside groups

10:00 Coffee

10:40 Ol'shanskii: Centralisers and locally finite subgroups in free Burnside groups of large even exponents

11:40 Grigorchuk: Burnside fractal groups and their presentations

12:40 Lunch

Afternoon Sessions: Parallels: Left stream in University Hall, Chaired by Ralph Stöhr. Right stream in Room 1 in 3E, Chaired by Peter Neumann.

Left Stream

14:00 Sushchanskii: Automatic permutation groups, wreath products, and tree automorphisms

14:30 McCammond: A small cancellation approach to the Burnside groups

15:00 Khukhro: Some generalizations of the Restricted Burnside Problem

Right Stream

14:00 Traustason: On 4-Engel groups and related topics

14:30 Vieira: On some series of normal subgroups of the Gupta–Sidki group

15:00 Riley: Semigroup laws and the Engel condition in groups, rings and Lie algebras

15:30 Tea

Left Stream

16:00 Maj: Semigroup identities and Engel groups

16:30 Storozhev: On some problems of Burnside type in varieties of groups

Right Stream

16:00 Krempa: Rings with periodic groups of units

16:30 Derakshan: Graded algebras, finitely generated groups and Burnside's Problem

Evening Session

17:00 Пeter Neumann: Burnside and his Problem

Late Registration

The registration desk will be open TODAY in the conference office (1W3.24) during lunch and also from 18:00-19:00.

Play

There will be a free performance by professional actors **TODAY, Monday** of scenes from the novels of Jane Austen on at 19:30 in the amphitheatre or in University Hall (where the plenary lectures are) if wet. Weather permitting, picnics are encouraged. The weather forecast (at 07:53 Monday) is fairly encouraging.

Burnside and Lyndon Dinner

Please sign up for this meal today if you wish to come. A wide menu is available, and you must sign up for your meal (and detail your requirements) before 14:00 **TODAY**. You can do this in the conference office (1W3.24) after it opens at 09:30.

Bus Trip News

Our intrepid travellers are back from a most enjoyable Sunday bus trip. To make it easier to identify the bus which the conference, at great expense, had had 'Stone's' painted on one of the vehicles—appropriate both for

Stonehenge and for the Rufus Stone. (Both the Scottish organisers managed to get into Stonehenge free!) In typical English seaside weather many of the participants paddled before reaching Bournemouth—some then followed Geoff's instructions and enjoyed an ice cream on the pier.

CMC + EFR

Lost and Found

One blue umbrella left behind on the bus. Owner please claim it back from Colin Campbell. A 'pointer' was lost in 3E last week – if you have it, please return it to R. Esteban Romero.

Chess Puzzle

A complete and elegant solution to Werner Nickel's "chess" problem was supplied by A. Yu. Ol'shanskii.

L.S.Pontryagin 90th Anniversary

The conference dates are August 31 – September 6 1998, and it will be in Moscow and organized by the Steklov Mathematical Institute. Details of this conference were explained in the week-end edition (August 2nd and 3rd). However, it was not made clear that the four sections of the conference are *algebra, geometry and topology, differential equations* and *optimal control*. Clearly group theorists have a lot to contribute to this important meeting.

Ballooning Uncertainty

Raquel Agueda's 06:30 balloon flight was finally called off at 05:15 on Sunday August 3rd. Unknown to Bob Bryce, space had been found for him on this flight at midnight on Saturday, and with the help of Campus Security his room was to be invaded at 05:45 on Sunday to fetch him for the flight. In the event he slept on. Raquel has now left Bath, and has been given the balloon flight in readily convertible form. We hope she will send us a picture of her flight which will then be displayed on the web.

Meanwhile, the Ascent Balloon company will be flying from Bristol this week. If Bob wants to fly, he will have to travel there (wih conference assistance of course).

Shopping Shuttle

The shopping shuttle will run this evening as from 18:15–20:00. Note that you must be back at 19:30 to see the start of the play. We will try to run both our buses to get people up and down the hill with the minimum of delay.

Cricket

If weather permits, and you are not engaged in more serious business, people wishing to practise for the Tuesday cricket match should assemble in *Maths Square* at 14:00. This is located close to the conference office on level 2 of building 1W. It is adjacent to the windows facing the parade. Dress for sport please.

Bus Trip III

The third bus trip (on Wednesday afternoon) is weather resistant. Adventures will include Wells Cathedral (which can be viewed from inside) and *Gough's Cave* in Cheddar Gorge. This is a deep limestone cave with very beautiful rock formations. It is well lit, and the ground is paved. It is a tall and wide.

Literary Supplement

Today we must thank Aner Shalev and Olga Tabachnikova for writing a quiz which appears in our first *Literary Supplement*.

EDITOR OF THE DAY: CC/ΠMN/GCS