

Karl Gruenberg Day

Lecture Programme

1.30 pm Welcome and Introduction

1.45pm Professor B.A.F. Wehrfritz, Queen Mary, University of London

The early work of Karl Gruenberg on abstract groups, 1952-1973

2.45pm Professor P.H. Kropholler, University of Glasgow

Group actions on finite dimensional spaces and KG-modules

3.45pm – 4.15pm Tea in the School Common Room

4.15pm Professor A.R. Weiss, University of Edmonton

Integral representations and Galois modules in arithmetic

A Celebration of the life of Karl Gruenberg

This will be held in the Octagon in the Queens' Building starting at 5.45 pm.

London Algebra Colloquium Talks

Karl was a regular attender of the London Algebra Colloquium for more than 50 years

46 : 26 November 1953. K. Gruenberg (Queen Mary College) Residual properties of groups

57 : 14 October 1954. K. Gruenberg (Queen Mary College) An introduction to Burnside's problem

98: 5 December 1957. Dr K. Gruenberg (Queen Mary College) Engel elements

115: 8 January 1959. Dr K. W. Gruenberg (Queen Mary College) Calculating cohomology groups

139: 27 October 1960 Dr K. W. Gruenberg (Queen Mary College) Periodicity and commutativity in soluble groups

140 : 3 November 1960 Dr K. W. Gruenberg (Queen Mary College) Periodicity and commutativity in soluble groups

197 : 1 & 15 May 1964 Dr K. W. Gruenberg (Queen Mary College) Radicals and the Engel structure of linear groups

220 14 October 1965 Dr K. W. Gruenberg (Queen Mary College) Projective profinite groups

288 5 December 1968 Professor K. W. Gruenberg (Queen Mary) Projective group extensions

401 31 January 1974 Professor K. W. Gruenberg (Queen Mary College) Augmentation ideals of finite groups

465 14 October 1976 Professor K. W. Gruenberg (Queen Mary College) Arithmetic problems concerned with presentations of finite groups

578 26 November 1981 Professor K. W. Gruenberg (Queen Mary College) Decomposition of relation modules

686 27 February 1986 Professor K. W. Gruenberg (Queen Mary College) Swan invariants and the partial free Euler characteristics of a finite group

800 24 May 1990 Professor K. W. Gruenberg (QMW) More resolutions for finite groups

889 12 May 1994 Prof. K. W. Gruenberg (Q.M.W.) Relative genus class groups and an old result on CW-complexes

977 15 October 1998 K. W. Gruenberg (QMW) Proficient groups

1141 16 November 2006 Karl Gruenberg (Queen Mary) The generation gap of free products

There are no records of talks given in the Queen Mary Pure Mathematics Seminar before 2002. Karl spoke on 13 October 2003 on *Exponents of cohomology and the principal ideal theorem*.

Ph.D Students (List compiled by Ted Hurley and Peter Webb)

1963: Ronald Francis Turner-Smith:

Thesis title: Soluble group properties.

1965: Benjamin Baumslag:

Thesis title: Residually free groups and related topics.

1965: Frank Colin May:

Thesis title: Wreath products of Engel groups and some related topics.

1965: Tsu Ann Peng:

Thesis title: Engel properties of finite groups.

1966: Alan Robert Camina:

Thesis title: On some problems concerning subnormality.

1967: James Byrum Riles:

Thesis title: The near Frattini subgroups of finitely generated groups.

1968: James Nicholas Ridley:

Thesis title: The lower central factors of certain relatively free groups.

1969: John Edward Martin :

Thesis title: A study of Engel elements in group theory.

1970: Ted Hurley:

Thesis title: Representations of some relatively free groups in power series rings.

1972: Julian Stuart Williams:

Thesis title: Free and projective objects in categories of group extensions.

1972: Richard W. Fletcher:

Thesis title : Casimir elements for Frobenius algebras and coalgebras.

1978: Olympia Talelli:

Thesis title: Cohomological periodicity in groups.

1979: Peter J. Webb:

Thesis title: Relation modules and extensions of groups.

1984: Thomas Vaclav Gedrich:

Thesis title: Finiteness conditions and completions in homological algebra

1990: Serge N. Alonftis:

Thesis title: Prime graph components and decompositions of lattices of a finite group.

1996: Niamh Eleanor O'Sullivan:

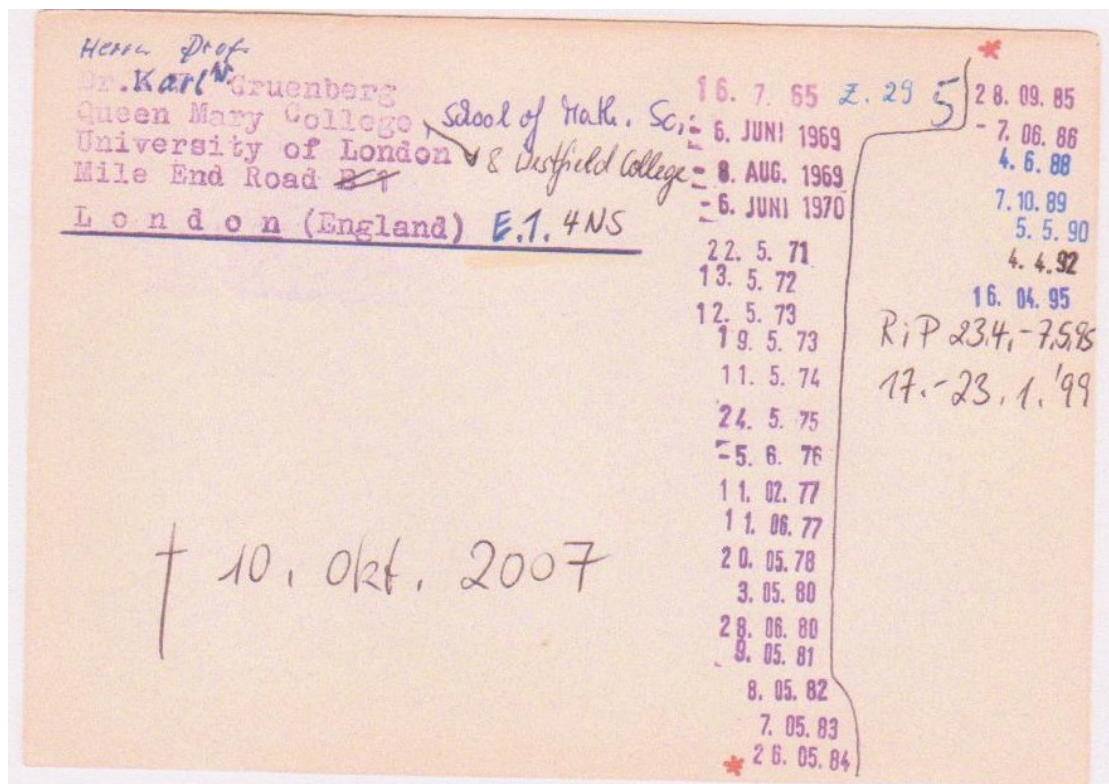
Thesis title: The genus and localization of groups.

Oberwolfach Oberwolfach played an important role in Karl's life and, as an organizer for almost twenty years, his influence on group theory was considerable. The data below was kindly provided by the Oberwolfach office at the request of Professor Otto Kegel.

Herr Gruenberg war laut Eintrag im Gaestebuch das 1. Mal am 28.02.1960 in Oberwolfach.. Unter dem 06.06.1960 hat er ein zweites Mal im Buch unterschrieben. Auf seiner Karteikarte ist das erste eingetragene Datum der 16.07.1965.

| Daten | Thema | Tagungsleiter |
|-------------------|---|-------------------------------|
| 01.06.-07.06.1969 | Gruppentheoretische Eigenschaften | Baer, Gaschuetz, Gruenberg |
| 31.05.-06.06.1970 | Anwendung der Kohomologietheorie auf die Gruppentheorie | Baer, Gaschuetz, Gruenberg |
| 16.05.-22.05.1971 | Allgemeine Gruppentheorie | Gaschuetz u. Gruenberg |
| 07.05.-13.05.1972 | Gruppentheorie | Gaschuetz u. Gruenberg |
| 13.05.-19.05.1973 | Gruppentheorie | Gaschuetz u. Gruenberg |
| 05.05.-11.05.1974 | General Group Theory | Gaschuetz u. Gruenberg |
| 18.05.-24.05.1975 | Gruppentheorie | Gaschuetz, Gruenberg, Huppert |
| 30.05.-05.06.1976 | Gruppentheorie | Gaschuetz, Gruenberg, Huppert |
| 05.06.-11.06.1977 | Allgemeine Gruppentheorie | Gaschuetz, Gruenberg, Huppert |
| 14.05.-20.05.1978 | Gruppentheorie | Gaschuetz u. Gruenberg |
| 27.04.-03.05.1980 | Gruppentheorie | Gaschuetz u. Gruenberg |
| 03.05.-09.05.1981 | Gruppentheorie | Gaschuetz u. Gruenberg |
| 02.05.-08.05.1982 | Gruppentheorie | Gruenberg u. Kegel |
| 01.05.-07.05.1983 | Gruppentheorie | Gruenberg u. Kegel |
| 20.05.-26.05.1984 | Gruppentheorie | Gruenberg u. Kegel |
| 22.09.-28.09.1985 | Gruppentheorie | Gruenberg u. Kegel |
| 01.06.-07.06.1986 | Topologische Methoden in der Gruppentheorie | Bieri, Brown, Gruenberg |
| 29.05.-04.06.1988 | Orders and their Applications | Gruenberg u. Roggenkamp |
| 01.10.-07.10.1989 | Topologische Methoden in der Gruppentheorie | Bieri, Brown, Gruenberg |

Other recorded visits 5.5.1990, 4.4.1992, 16.04.1995, 23.04.-07.05.1995 (Research in Pairs) 17.01-23.01.1999. Zuletzt war Herr Gruenberg vom 23.- 29.4.06 als Tagungsgast am MFO.



Attendees (not including Queen Mary)

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|------------------------|---|
| Prof Stelios Andreakis | University of Athens, Greece |
| Dr John Bowers | University of Leeds |
| Prof Martin Bridson | University of Oxford |
| Prof Roger Bryant | University of Manchester |
| Prof Alan Camina | University of East Anglia |
| Prof Warren Dicks | Autonomous University of Catalonia Barcelona, Spain |
| Prof Steve Donkin | University of York |
| Prof Martin Dunwoody | University of Southampton |
| Dr Martin Edjvet | University of Nottingham |
| Dr Nick Gilbert | Heriot-Watt University |
| Prof Philip Higgins | University of Durham |
| Prof James Hirschfeld | University of Sussex |
| Prof Derek Holt | University of Warwick |
| Prof Jim Howie | Heriot-Watt University |
| Prof Ted Hurley | University College, Galway |
| Prof Sasha Ivanov | Imperial College |
| Prof Arye Juhasz | Technion, Haifa, Israel |
| Prof Otto Kegel | University of Freiburg, Germany |
| Prof Peter Kropholler | University of Glasgow |
| Prof Martin Liebeck | Imperial College |
| Prof Peter Neumann | University of Oxford |
| Dr Brita Nucinkis | University of Southampton |
| Dr Niamh O'Sullivan | Dublin City University |
| Prof Wilhem Plesken | RWTH Aachen, Germany |
| Prof Sarah Rees | University of Newcastle |
| Dr Jim Roseblade | University of Cambridge |
| Prof Dan Segal | University of Oxford |
| Prof Urs Stammbach | ETH, Zurich Switzerland |
| Dr Stewart Stonehewer | University of Warwick |
| Prof Olympia Talelli | University of Athens, Greece |
| Prof Chiara Tamburini | Università Cattolica del Sacro Cuore, Brescia, Italy |
| Dr John Watters | University of Leicester |
| Prof Al Weiss | University of Edmonton, Canada |
| Prof John Wilson | University of Oxford |