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NOTICES

- IN MEMORIAM: FREDERICK ROWBOTTOM. Fred Rowbottom died unexpectedly of heart failure on October 12, 2009 at the age of 71 in Hadfield, England. After being an undergraduate at Cambridge, he studied under H.J. Keisler at the University of Wisconsin, Madison, earning his Ph.D. in 1964. With a recommendation from Georg Kreisel, he came to Bristol in September 1965, where he spent the rest of his professional mathematical career.

  His best, and best known, work was early on, in two cardinal properties and partition cardinals; this work appeared as "Some strong axioms of infinity incompatible with the axiom of constructibility" in the *Annals of Mathematical Logic* **3** 1971). His thesis, and this paper, was the first work to realize that large cardinal properties could limit the size of definable sets in the constructible universe L. He thus showed that Ramsey cardinals were weaker than measurable cardinals, and that their existence implied the constructible real continuum was countable; he further proved that this followed also from weaker partition and two cardinal properties. One such, the Rowbottom cardinal, again implies that ω_1 is an inaccessible cardinal in L.

  Rowbottom had one student in set theory, Keith Devlin, but later moved into category theory, although always claiming to be still a set theorist, but of an intuitionistic bent. He published little and deplored what he called as the "publish or perish mentality of the US," which he later, aghast, saw transferred to the UK. He refused to allow even collaborators to publish joint papers with him, claiming the results "were not good enough." He took early retirement at the age of 55 in 1993. However, the year before doing so, he and a student, John Chapman, did write *Relative Catgeory Theory and Geometric morphisms*: *A logical approach* (Oxford Logic Guides No.16). This volume appeared in 1992, a gap of twenty-one years since the *Annals of Mathematical Logic* paper above. By then he had already earned the respect and esteem of the other members of the department as a fine mathematician.

- THE 2009 ASL ELECTION. The ASL membership has elected Alex J. Wilkie (Manchester) as President, Alasdair Urquhart (Toronto) as Vice President, Phokion Kolaitis (Santa Cruz) and Greg Restall (Melbourne) to the Executive Committee, and Moti Gitik (Tel Aviv) and Alf Onshuus (Los Andes) to the Council. Their terms of office are for three years beginning January 1, 2010. The Nominating Committee consisted of Jeremy Avigad, Rod Downey, Erich Grädel, Alexander Kechris (Chair), Donald A. Martin, Charles Parsons, Richard Shore, and Carol Wood.

  The ballot distributed to the membership also included three proposed amendments to the ASL constitution. Two concerned the composition of the Council, and the third dealt with the number of signatures required to nominate a candidate for office by petition. All three were ratified and took effect on January 1, 2010.

- THE 2009 SACKS PRIZE AWARDED JOINTLY TO I. GOLDBRING AND G. SARGSYAN. The ASL Committee on Prizes and Awards has selected Isaac Goldbring and Grigor Sargsyan, both of the University of California, Los Angeles, as the recipients of the 2009 Sacks Prize. The prize consists of a cash award plus five years free membership in the ASL for each awardee.

  Goldbring received his Ph.D. in 2009 from the University of Illinois at Urbana-Champaign, under the supervision of Lou van den Dries. The Prizes and Awards Committee notes that in his thesis, *Nonstandard Methods in Lie Theory*, he applies model theory to a fundamental problem from topological group theory and that the main result replaces an incorrect proof in a widely cited paper from 1957 using totally new ideas.

Sargsyan received his Ph.D. in 2009 from the University of California, Berkeley under the supervision of John Steel. The Committee cited that his thesis, *A Tale of Hybrid Mice*, contains "uncountably many new ideas" in inner model theory.

- First ASL Sponsored Journal: *Journal of Logic and Analysis*. In 2009, the ASL Council authorized the new category of ASL Sponsored Journals. This rubric is intended to promote the visibility of and access to new, perhaps specialized, journals in logic and/or its applications that are not-for-profit and available at a cost far less than that typically found at the major commercial publishers.

  The *Journal of Logic and Analysis* is the first publication sponsored by the ASL under this framework. The *Journal*, an open access, online publication, examines the interaction between ideas or techniques from mathematical logic and other areas of mathematics, especially, but not limited to, pure and applied analysis. The *Journal* publishes papers in nonstandard analysis and related areas of applied model theory; papers involving interplay between mathematics and logic (including foundational aspects of such interplay); and mathematical papers using or developing analytical methods having connections to any area of mathematical logic.

  For further information about ASL sponsored journals, visit `http://aslonline.org/journals-sponsored_journals.html`; for more information about the *Journal of Logic and Analysis*, visit `http://logicandanalysis.org/`.

- Call for Proposals: 2013 North American Annual Meeting. The ASL Committee on Logic in North America requests proposals for the 2013 ASL North American Annual meeting, to be held some time in the first five months of 2013. The committee seeks a university somewhere in North America and a local committee to host the meeting and handle the local arrangements. The ASL meetings ordinarily cycle geographically in the pattern: east (George Washington 2010), west (Berkeley 2011), midwest (Madison 2012). Thus, for 2013 the committee seeks a location in the east. Any reasonable proposal, however, will be considered. For more information, interested parties should contact the Committee Chair, Scott Weinstein (email: `weinstein@cis.upenn.edu`) no later than November 1, 2010.

- Call for Proposals: 2012 AMS-ASL Joint Special Session. The ASL Committee on Logic in North America requests proposals for an AMS-ASL Joint Special Session to be held at the Joint Mathematics Meetings in Boston, January 4–7, 2012. Proposals or requests for further information should be sent to the Committee Chair, Scott Weinstein (email: `weinstein@cis.upenn.edu`). The deadline for receipt of proposals is January 15, 2011.

- 2010 Sacks Prize. The ASL invites nominations for the 2010 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2010. The Sacks Prize was established to honor Professor Gerald Sacks of MIT and Harvard for his unique contribution to mathematical logic, particularly as adviser to a large number of excellent Ph.D. students. The Prize was first awarded in 1994 and became an ASL Prize in 1999. The Fund on which the Prize is based is now administered by the ASL and the selection of the recipient is made by the ASL Committee on Prizes and Awards. The Sacks Prize will consist of a cash award plus five years free membership in the ASL. For general information about the Prize, visit `http://www.aslonline.org/info-prizes.html`.

  Anyone who wishes to make a nomination for the 2010 Sacks Prize should consult the webpage `http://www.aslonline.org/Sacks_nominations.html` for the precise details of the application process. A brief summary of the procedure is provided below.

  Students who defend their dissertations (equivalent to the American doctoral dissertation) between October 1, 2009, and September 30, 2010, are eligible for the Prize this year. This is an international prize, with no restriction on the nationality of the candidate or the university where the doctorate is granted. Nominations should be made by the thesis adviser, and consist of: name of student, title and 1–2 page description of dissertation, date and location where the doctorate was awarded, letter of recommendation from the adviser, and an electronic copy of the thesis in .pdf or .ps form, or the address of a web site from which an electronic copy in .pdf or .ps form can be downloaded. An independent second letter of recommendation is strongly encouraged. Nominations should be sent to the Committee Chair, Julia Knight; .pdf or .ps files sent as attachments by email to `Julia.F.Knight.1@nd.edu` are preferred. The form of such letters and other pertinent details can be found at the web site above, and need to be read prior to submitting a nomination. Correspondence should be addressed to Julia Knight, Department of Mathematics, University of Notre Dame, 255 Hurley Hall, Notre Dame, IN 46556-4618, USA.

Those wishing to contribute to the Sacks Prize Fund may send contributions to the ASL office (ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604). All such contributions are tax-deductible within the USA.

- New Emeritus ASL Individual Membership. Beginning with the 2010 calendar year, the ASL will offer retired individual members two membership options. Emeritus membership includes all the privileges of regular individual membership and is available to retired individuals who have been members of the ASL for 15 years. The dues for Emeritus membership for 2010 are US$41. The privileges attached to Retired membership (previously called emeritus membership) include the ASL Newsletter and the right to vote in ASL elections, but do not include subscriptions to the ASL journals. Retired membership is offered to retired individuals who have been members of the Association for 20 years and is free. For more information about both options, visit `http://www.aslonline.org/membership-individual.html`.
- Older ASL Books Available Online at Project Euclid. The ASL has made available online via Project Euclid those older volumes of Lecture Notes in Logic and Perspectives in Logic owned by the ASL and published in collaboration with Springer-Verlag. The available Lecture Notes in Logic books (volumes 1-12) can be found at `http://projecteuclid.org/DPubS?service=UI&version=1.0&verb=Display&handle=euclid.lnl`, and the available Perspectives volumes (those owned by the ASL) can be found at `http://projecteuclid.org/DPubS?service=UI&version=1.0&verb=Display&handle=euclid.pl`. The ASL continues to sell original hard copies of those Lecture Notes and Perspective volumes of which there is sufficient stock; information about purchasing these volumes can be found at `http://www.aslonline.org/books.html`.
- Book and Journal Discounts for ASL Members. Several publishers now offer discounts on books and journals to ASL members. For a detailed description of these discounts, visit `http://www.aslonline.org/members-discounts.html` on the ASL website, or write to the ASL Business Office.
- Student Travel Awards: ASL or ASL-Sponsored Meetings. The ASL will make available modest travel awards to graduate students in logic so that they may attend ASL or ASL-sponsored meetings (other than the 2011 North American Annual Meeting and the 2011 European Summer Meeting; the announcement for travel award applications for these meetings will be made in September 2010). To be considered for a Travel Award, please (1) send a letter of application, and (2) ask your thesis supervisor to send a brief recommendation letter. The application letter should be brief (preferably one page) and should include: (1) your name; (2) your home institution; (3) your thesis supervisor's name; (4) a one-paragraph description of your studies and work in logic, and a paragraph indicating why it is important to attend the meeting; (5) your estimate of the travel expenses you will incur; (6) (for citizens or residents of the USA) citizenship or visa status; and (7) (voluntary)

indication of your gender and minority status. Women and members of minority groups are strongly encouraged to apply. In addition to funds provided by the ASL, the program of travel grants is supported by a grant from the US National Science Foundation; NSF funds may be awarded only to students at USA universities and to citizens and permanent residents of the USA. Air travel paid for using NSF funds must be on a US flag carrier. Application by email is encouraged; put "ASL travel application" in the subject line of your message.

For ASL student member travel grants to ASL or ASL-sponsored meetings (other than the 2011 North American Annual Meeting and the 2011 European Summer Meeting), applications and recommendations should be received at least three months prior to the meeting at the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Fax: 1-845-437-7830; email: `asl@vassar.edu`. Decisions will be communicated at least two months prior to the meeting.

- 2010 ASL European Summer Meeting (Logic Colloquium '10). *July* 25–*July* 31, 2010, *Paris, France*. Tutorials will be offered by U. Abraham and T. Slaman. Invited speakers include: F. Delon, N. Gambino, M. Gehrke, J.-Y. Girard, M. Gitik, V. Goranko, L. Haaparanta, I. Hodkinson, J. Knight, P. Koszmider, J, Krajicek, A. MacIntyre, P. Oliva, Y. Peterzil, S. Thomas, G. Sundholm, A. Weiermann, T. Wilke, and A. Wilkie. The following special sessions are planned: computability theory; model theory; set theory; a symposium on the Beyträge of Bernard Bolzano; and a symposium on simplicity (complexity) of proofs: mathematical and philosophical issues. The Program Committee members are: A. Atserias, Z. Chatzidakis, T. Coquand, P.-L. Curien, M. Detlefsen, C. Dimitracopoulos, J. Floyd, I. Juhasz, M. Magidor, M. Rathjen (Chair), T. Scanlon, A. Soskova, and Y. Venema. The Local Organizing Committee includes: S. Abbes, O. Ainardi, V. Balat, T. Colcombet, R. Cori (Chair), A. Durand, T. Ehrhard (Co-chair), M. Hils, R. Labib-Sami, R. Lassaigne, Y. Legrandgérard, G. Malod, S. Périfel, J.-E. Pin (Co-chair), F. Point, P. Rozière, T. Tsankov, and B. Velikovic. For further information, contact R. Cori (email: `cori@logique.jussieu.fr`) or T. Ehrhard (email: `thomas.ehrhard@pps.jussieu.fr`), or visit `http://www.logic2010.org`.
- 2010-11 ASL Winter Meeting (with Joint Mathematics Meetings). *January* 5–8, 2011, *New Orleans, Louisiana*. This meeting will take place in conjunction with the Joint Mathematics Meetings. The members of the Program Committee are A. Dolich, B. Kastermans, and M. Mislove (Chair). Abstracts of contributed talks submitted by ASL members will be published in *The Bulletin of Symbolic Logic* if they satisfy the Rules for Abstracts (see below). Abstracts must be received by the deadline of September 10, 2010, at the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Fax: 1-845-437-7830; email: `asl@vassar.edu`.
- 2011 ASL North American Annual Meeting. *March* 24–27, 2011, *Berkeley, California*. The members of the Program Committee are: S. Buss, J. Heis, I. Neeman (Chair), C. Papadimitriou, T. Slaman, and S. Starchenko. The Local Organizing Committee includes: P. Mancosu, T. Scanlon (Chair), T. Slaman, and W.H. Woodin.
- 2010-11 ASL Spring Meeting (with APA). *April* 20–23, 2011, *San Diego, California*. This meeting will be held jointly with the Annual Meeting of the Pacific Division of the American Philosophical Association. The members of the Program Committee are A. Antonelli, J. Heis, and K. Wehmeier (Chair).
- Rules for Abstracts. The rules for abstracts of contributed talks at ASL meetings (including those submitted "by title") may be found at the website `http://www.aslonline.org/rules_abstracts.html` . *The rules were recently revised and all authors who wish to submit abstracts are urged to consult the new rules*. Please note that abstracts *must* follow the rules as set forth there; those which do not conform to the requirements will be returned immediately

to the authors submitting them. Revised abstracts that follow the rules will be considered if they are received by the announced deadline.

- North American Summer School in Logic, Language, and Information (NASSLLI 2010). *June* 20–26, 2010, *Bloomington, Indiana*. This event, loosely modeled on the long-running ESSLLI series in Europe (see below), will consist of a number of courses and workshops with a focus on interdisciplinary work involving logic, linguistics, computer science, cognitive science, philosophy, and artificial intelligence. The Program Committee Chair is D. Beaver and the Chair of the Steering Committee is L. Moss. For more information, visit `http://www.indiana.edu/~nasslli/`. (ASL Sponsored Meeting.)
- Computability in Europe 2010 (CiE 2010): Programs, Proofs, Processes. *June* 30–*July* 4, 2010, *Ponta Delgada* (*Azores*), *Portugal*. This event is the sixth in a series organized within the network "Computability in Europe" (CiE). The conference will deal not only the more established lines of research of computational complexity and the interplay between proof theory and computation, but also novel views that rely on physical and biological processes and models to find new ways of tackling computations and improving their efficiency. The broad scope of this event is intended to provide a forum for the discussion of theoretical and practical issues in computation with an emphasis on new paradigms of computation and the development of their mathematical theory. Tutorials will be offered by J. Bub on *Information, Computation and Physics* and B. Codenotti on *Computational Game Theory*. Invited speakers include: E. Allender, J.L. Balcázar, R. de Wolf, S. Goldwasser, D. Hirschfeldt, S. Lloyd, S. Negri, and T. Pitassi. Special sessions are planned on Biological Computing, Computability of the Physical, Computational Complexity, Proof Theory and Computation, Reasoning as Computation from Leibniz to Boole, and Web Algorithms and Computation. The Co-chairs of the Program Committee are F. Ferreira and E. Mayordomo. For more information, visit `http://www.cie2010.uac.pt/`. (ASL Sponsored Meeting.)
- 2010 Australasian Association for Logic Conference. *July* 2–4, 2010, *Sydney, Australia*. This annual meeting will immediately precede the Australasian Association of Philosophy Conference, also to be held in Sydney, July 4–9, 2010, both at the University of New South Wales. Papers on any aspect of logic are welcome. There will be no conference registration fee. For more information, visit `http://www.aalogic.org`. (ASL Sponsored Meeting.)
- Seventeenth Workshop on Logic, Language, Information and Computation (WoLLIC'2010). *July* 6–9, 2010, *Brasilia, Brazil*. This is the seventeenth in a series of workshops intended to foster interdisciplinary research in pure and applied logic. The Chair of the Program Committee is A. Dawar. The Co-chairs of the Organizing Committee are M. Ayala-Rincon and R. de Queiroz. For further information, visit `http://www.wollic.org/wollic2010/`. (ASL Sponsored Meeting.)
- Twenty-fifth Annual IEEE Symposium on Logic in Computer Science (LICS 2010). *July* 11–14, 2010, *Edinburgh, Scotland*. The LICS Symposium is an annual international forum on theoretical and practical topics in computer science that relate to logic in a broad sense. LICS 2010 will be organized as part of the the Fifth Federated Logic Conference (FLoC 2010; see below). The Program Chair is J.-P. Jouannaud, the General Chair is R. Alur, and the Conference Chair is M. Escardó. For further information, visit `http://www2.informatik.hu-berlin.de/lics/lics10/`. (ASL Sponsored Meeting.)
- Conference on Mathematical Logic and Set Theory. *August* 15–17, 2010, *Chennai, India*. This event, organized by the Association for Logic in India, and co-hosted by the Institute of Mathematical Sciences, Chennai, and the Chennai Mathematical Institute, is a satellite conference of the 2010 International Congress of Mathematicians that will take place in Hyderabad. The invited speakers include: J. Bagaria, R. Goldblatt, M. Magidor, J. Moore, A. Nies, Y. Peterzil, A. Pillay, T. Slaman, S. Starchenko, W. Thomas, and W.H. Woodin.

The members of the Program Committee are M. Banerjee, E. Bouscaren, S. Buss, S.B. Cooper, S.D. Friedman, M. Gehrke, V. Goranko, K. Lodaya, B. Löwe, R. Ramanujam, and J. Väänänen. The organizers are B. Löwe and R. Ramanujam. For further information, visit `http://www.illc.uva.nl/Chennai/index.html`. (ASL Sponsored Meeting.)

- FIFTH FEDERATED LOGIC CONFERENCE (FLoC'10). *July* 9–21, 2010, *Edinburgh*, *Scotland*. This event brings together several synergistic conferences that apply logic to computer science. The following eight conferences will participate in FLoC '10: Conference on Computer-Aided Verification (CAV), Computer Security Foundations Symposium (CSF), International Conference on Logic Programming (ICLP), International Joint Conference on Automated Deduction (IJCAR), International Conference on Interactive Theorem Proving (ITP), the ASL-sponsored IEEE Symposium on Logic in Computer Science (LICS), International Conference on Rewriting Techniques and Applications (RTA), and International Conference on Theory and Applications of Satisfiability Testing (SAT). Pre-conference workshops will be held on July 9–10, 2010. The General Chair for FLoC'10 is M. Vardi and the Conference Co-Chairs are L. Libkin, and G. Plotkin. For further information, visit `http://www.floc-conference.org`.
- TWENTY-FIRST EUROPEAN SUMMER SCHOOL IN LOGIC, LANGUAGE AND INFORMATION (ESSLLI-2010). *August* 9–20, 2010, *Copenhagen*, *Denmark*. The European Summer Schools in Logic, Language and Information focus on the interface between linguistics, logic and computation. Foundational, introductory and advanced courses, together with workshops, cover a wide variety of topics within the three areas of interest: Language and Computation, Language and Logic, and Logic and Computation. The Chair of the Program Committee is V. Goranko and the Organizing Committee Chair is V.F. Hendricks. ESSLLI-2010 is organized under the auspices of the European Association for Logic, Language and Information (FoLLI). For more information about ESSLLI-2010 visit `http://esslli2010cph.info/`; for further information about FoLLI, visit `http://www.folli.org`.
- APPALACHIAN SET THEORY. *October* 30, 2010, *Nashville*, *Tennessee*. A. Kechris will give a day-long workshop. This workshop series is supported by the U.S. National Science Foundation. For more information, visit `http://www.math.cmu.edu/~eschimme/Appalachian/Index.html`.
- FOURTEENTH CONGRESS OF LOGIC, METHODOLOGY AND PHILOSOPHY OF SCIENCE. *July* 19–26, 2011, *Nancy*, *France*. This event, which has been held every four years beginning in 1960, is the main international conference organized by the Division of Logic, Methodology and Philosophy of Science (DLMPS) of the International Union of History and Philosophy of Science (IUHPS). The program usually is divided into sections under the headings of Logic, General Philosophy of Science, Philosophical Issues of Particular Sciences, and Science and Society. The Chair of the Executive Committee is W. Hodges, the General Program Committee Chair is P. Schroeder-Heister, and the Chair of the Local Organizing Committee is G. Heinzmann. For more information, visit `http://www.clmps2011.org/en/editorial.html`.
- IVOR GRATTAN-GUINNESS AWARD FOR HISTORY AND PHILOSOPHY OF LOGIC 2009. José M. Sagüillo has been selected as the first recipient of the Ivor Grattan-Guinness Award for the History and Philosophy of Logic for his paper, "Methodological Practice and Complementary Concepts of Logical Consequence: Tarski's Model-Theoretic Consequence and Corcoran's Information-Theoretic Consequence" (*History and Philosophy of Logic* **30**(1) 2009; `http://www.informaworld.com/thpl`). Sagüillo is Catedrático of Logic and Philosophy of Science and currently Chair of the Department of Logic and Moral Philosophy at the University of Santiago de Compostela in Spain. He receives a cash prize and a year's subscription to *History and Philosophy of Logic*.