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NOTICES

- In Memoriam: Jacob C. E. Dekker. Jacob C. E. ("Jim") Dekker, Emeritus Professor of Mathematics at Rutgers, and long time resident of Princeton, died at the University Medical Center at Princeton on April 3, 2004 at the age of 82. He is survived by his wife and devoted companion of fifty-three years, Henny. He was born in Hilversum, Netherlands, educated during the prewar and early war years at the University of Leiden and the University of Amsterdam. He emigrated to the U.S. in 1947 for graduate study at Syracuse University, where he received his Ph.D. in Mathematics in 1950 under Paul Rosenbloom. After a year at Syracuse as an instructor, he took a three-year appointment to the College of the University of Chicago. In 1954, he joined Northwestern University. In 1956, Kurt Gödel invited him to be a member of the Institute for Advanced Study for two years, after which he moved to the University of Kansas. In 1959 he moved to Rutgers, becoming a full professor in 1961. He supervised nine Ph.D. students at Rutgers and one at the Universiteit van Amsterdam.

At the University of Chicago, Dekker spent time with Anil Nerode and John Myhill, both of whom would collaborate with him in future years. Myhill had just proved his recursive isomorphism theorem for creative sets, which were introduced by Post as a generalization of the set of Gödel numbers of provable theorems in arithmetic. Myhill showed any two creative sets differed by a one-to-one onto recursive permutation of the integers, thus eliminating them as candidates for intermediate recursively enumerable degrees.

This led Dekker to define a recursive analogue of Cantor's cardinal numbers, in which arbitrary sets are replaced by subsets of the non-negative integers, and arbitrary one-to-one functions by one-to-one partial recursive functions. Subsets of non-negative integers are recursively equivalent if they differ by a one-to-one partial recursive function, and the equivalence classes are the recursive equivalence types. Dekker was primarily interested in the effective analogue of Dedekind finite cardinals, that is, cardinals of sets that cannot be mapped one-to-one onto a proper subset of themselves. Without the axiom of choice, these need not be finite. The effective analogue is the isolated subsets of non-negative integers, those sets which have no infinite recursively enumerable subset. The isols consist of the recursive equivalence types of isolated sets. The influential monograph, "Recursive Equivalence Types" by Dekker and Myhill appeared in 1960.

In 1959 Myhill discovered that a much larger class of functions of integers extend from the non-negative integers to the isols, the recursive combinatorial functions. Myhill and Nerode reduced the question of truth of universal sentences about combinatorial functions to behavior in the non-negative integers, which became a basic tool for the further research of Dekker and his students. Dekker subsequently published a monograph in French on combinatorial functions and isols.

In his later career, Dekker investigated structures whose domain is an isolated set and whose operations are recursive. He published papers on isolated projective planes, graphs, and vector spaces. These studies were an immediate precursor to the later study by others of recursive algebra.

Dekker was a "complete gentleman" in the best sense, a droll wit blessed with a sunny disposition, who always treated students, friends, and colleagues with patience, kindness, and respect. He was a beloved teacher, giving perfectly prepared lectures with great clarity and rigor. Dekker loved to travel and to learn languages. He even gave invited lecture series in languages he did not know, from phonetic notes. He will be much missed by friends and family.

- 2004 SACKS PRIZE. The ASL invites nominations for the 2004 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2004.

  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`.

  Last year the Association made several changes to the application procedure, and some additional changes are under consideration. Anyone who wishes to make a nomination for the 2004 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 currently in place is provided below.

  Students who defend their dissertations (equivalent to the American doctoral dissertation) between October 1, 2003, and September 30, 2004, 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 .ps form, or the address of a web site from which an electronic copy in .ps, .dvi, or .pdf form can be downloaded. An independent second letter of recommendation is strongly encouraged. Nominations should be sent to the Committee Chair, Rod Downey; TeX or PostScript files sent as attachments by email to `Rod.downey@vuw.ac.nz` 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 Rod Downey, School of Mathematical and Computing Sciences, Victoria University, PO Box 600, Wellington, New Zealand.

  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.

- CALL FOR PROPOSALS: 2006 AMS-ASL JOINT SPECIAL SESSION. The ASL Committee on Meetings in North America requests proposals for an AMS-ASL Joint Special Session to be held at the Joint Mathematics Meetings in San Antonio, Texas, January 12–15, 2006. Proposals and requests for additional information should be be sent by email to the Committee Chair, Peter Cholak (email: `Peter.Cholak.1@nd.edu`). The deadline for receipt of proposals is January 15, 2005.

- CALL FOR PROPOSALS: 2007 ASL ANNUAL MEETING. The ASL Committee on Meetings in North America requests proposals for the 2007 ASL Annual Meeting, to be held sometime in the first five months of 2007. The Committee seeks a university somewhere in North America and a local arrangements committee to host the 2007 meeting and handle the local arrangements. The ASL Annual Meetings ordinarily cycle geographically as follows: midwest (Urbana 2000, Chicago 2003); east (Philadelphia 2001, Pittsburgh 2004); west (Las Vegas 2002, Stanford 2005). This cycle will be broken for the 2006 meeting, to be held in Montreal (east), and hence the Committee seeks a location in the midwest. Any reasonable proposal, however, will be considered. For more information, interested parties should contact Peter Cholak (email: `Peter.Cholak.1@nd.edu`) no later than November 1, 2004.

- REDUCED DUES FOR INDIVIDUALS AND INSTITUTIONS IN DEVELOPING ECONOMIES. The ASL recently approved a program to offer reduced dues for individual and institutional members in developing economies. For 2004, the reduced dues are $18 for individuals and $130 for institutional members. These dues apply to individuals and institutions residing in countries whose economies are classified as 'lower middle income' or below on the World Bank's annual list. For further information, visit `http://www.aslonline.org/membership_outreach.html` or contact the ASL Business Office: ASL, Box 742, Vassar College, 124 Raymond Avenue, Poughkeepsie, New York 12604, USA; Tel: 1-845-437-7080; Fax: 1-845-437-7830; email: `asl@vassar.edu`.

- Access to Current JSL and BSL for ASL Members via Project Euclid. Access to the full-text of current issues of *The Bulletin of Symbolic Logic* and *The Journal of Symbolic Logic* is available to all ASL members electronically via Project Euclid. Individual members who wish to gain access should follow these instructions: (1) go to `http://projecteuclid.org`; (2) in the 'for subscribers' tab, click on 'Log in for Existing Subscribers'; (3) click on "create a profile here" in the center of the login page; (4) fill in at least the required fields (those in red) in the top half of the form, setting Euclid ID and Password to anything you wish, but remember these for future logins; (5) go to the bottom half of the form ("Personal Subscription Registration"); (6) select the *Association for Symbolic Logic Journals* and in the subscriber code box enter your individual membership ID number (you will find this number on your journal mailing label, near the barcode); (7) at the bottom of the form, click the 'Create Profile' button, at which point users should then see a confirmation screen and should have access to full-content of the BSL and JSL. If you need help obtaining your membership ID number, contact Paul Arroyo of the University of Illinois Press at `parroyo@uillinois.edu`. If you have any trouble using the Personal Subscription Registration form, please contact `Euclid-L@cornell.edu`.
- Perspectives in Mathematical Logic Volumes Available. This series is now being published by the Association for Symbolic Logic, under the new name *Perspectives in Logic*. Owing to the generosity of Springer-Verlag, the former publisher of the series, the ASL has made the existing stock of certain books in the series available to the logic community at low prices, as has been done with the *Lecture Notes in Logic*. (Some books in the series will continue to be made available by Springer-Verlag and others will be reprinted by ASL.) An order form for the volumes sold by the ASL can be found online at `http://www.aslonline.org/files/Perspectivesorderform.pdf`. This form also can be obtained by writing to the ASL Business Office.
- Student Travel Awards: The 2005 ASL Annual Meeting and Other ASL or ASL-Sponsored Meetings. The ASL will make available modest travel awards to graduate students in logic so that they may attend the 2005 ASL Annual Meeting in Stanford, California. Student members of the ASL also may apply for travel grants to other ASL or ASL-sponsored meetings (*Note*: these do not include the 2005 ASL European Summer Meeting, for which a travel grant program will be announced shortly). 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, in the case of an ASL student member application to attend an ASL or ASL-sponsored meeting other than the Annual Meeting or European Summer Meeting*, 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 to the ASL Annual Meeting 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 airline. Application by email is encouraged; put "ASL travel application" in the subject line of your message.

For the 2005 ASL Annual Meeting, applications and recommendations should be received before the deadline of January 14, 2005, by the Program Chair: John Steel, Department of Mathematics, University of California Berkeley, Berkeley, CA 94720, USA; email: `steel@math.berkeley.edu`.

For ASL student member travel grants to other ASL or ASL-sponsored meetings, 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.

- 2004-05 ASL Winter Meeting (with Joint Mathematics Meetings. *January 7–8, 2005, Atlanta, Georgia.* This meeting will take place in conjunction with the Joint Mathematics Meetings, which will be held January 5–8, 2005. The invited speakers include: M. Aschenbrenner, A. Caicedo T. Ishiu, O. Lessman, J. Mileti, B. Poonen, and W.H. Woodin. There will be a joint AMS/ASL Panel discussion on Hilbert's First Problem; the panel will be moderated by K. Devlin, and participants thus far include D.A. Martin and W.H. Woodin. There will be an AMS-ASL Joint Special Session on Reverse Mathematics, organized by J. Hirst and R. Solomon. The ASL also is sponsoring a subsession of the AMS-MAA-MER Special Session on Mathematics and Education Reform, entitled "Mathematical Logic in the Undergraduate Curriculum," organized by J. Hirst. The members of the Program Committee are R. Jin, A. Kanamori (Chair), and A. Shlapentokh. 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 17, 2004, 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`.
- 2005 ASL Annual Meeting. *March 19–22, 2005, Stanford, California.* The members of the Program Committee are: J. Mitchell, M. Rathjen, S. Shapiro, R. Solomon, P. Speissegger, and J. Steel (Chair). The members of the Local Organizing Committee include: A. Arana, S. Feferman, G. Mints, J. Mitchell, and R. Sommer (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 December 10, 2004, 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`.
- 2005 ASL Spring Meeting (with APA). *March 23–27, 2005, San Francisco, California.* This meeting will be held jointly with the Annual Meeting of the Pacific Division of the American Philosophical Association. The Program Committee members for the ASL meeting are: A. Arana, T. Gillies, S. Lavine (Chair), and R. Zach. 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 December 10, 2004, 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`.
- 2005 ASL European Summer Meeting (Logic Colloquium '05). *July 29–August 4, 2005, Athens, Greece.* The members of the Program Committee members are: C.T. Chong, C. Dimitracopoulos, H. Field, G. Jaeger, G. Metakides, L. Newelski, D. Normann, R. Parikh, J. Steel, S. Todorcevic, J. Tucker, F. Wagner, and S. Wainer (Chair). The Local Organizing Committee includes: D. Anapolitanos, C. Dimitracopoulos (Chair), L. Kirousis, G.

Koletsos, M. Mytilinaios, S. Papastavridis, Th. Pheidas, P. Rondogiannis, G. Stavrinos, A. Synachopoulos, and A. Tzouvaras.

- 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` . 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.

- Conference on Logic, Computability, and Randomness. *September 20–24, 2004, Córdoba, Argentina.* This event will be run together with the Logic Workshop of the Thirty-third Argentinean Conference on Computer Science and Operational Research. Invited speakers include: L. Fortnow, J. Heintz, A. Kucera, J.S. Miller, A. Nies, J. Reimann, T. Slaman, D. Vaggione, and P. Vitanyi . The members of the Organizing Committee are V. Becher, R. Downey, and D. Hirschfeldt. For further information, visit `http://www.dc.uba.ar/people/profesores/becher/logic2004.html`. (ASL Sponsored Meeting.)

- International Workshop on Automata, Structures and Logic. *December 11–13, 2004, Auckland, New Zealand.* The theme of this event is the interplay between automata, structures, logic and complexity. Invited speakers include: A. Blumensath, B. Courcelle, C. Delhomme, R. Downey, V. Goranko, T. Knapik, D. Kuske, L. Libkin, C. Loeding, M. Lohrey, D. Niwinski, S. Rubin, J. Sakarovitch, F. Stephan, C. Stirling, and R. Thomas. The Program Committee members are: A. Dawar, E. Gradel, B. Khoussainov, D. Kozen, A. Nerode, and A. Voronkov. For further information, visit `http://www.cs.auckland.ac.nz/wasl2004`.(ASL Sponsored Meeting.)

- First World Congress and School on Universal Logic (UNILOG 2005). *March 26–April 3, 2005, Montreux, Switzerland.* This event will focus on: techniques that can be used for a general theory of logics, studies of classes of logics, scope of validity and domain of application of fundamental theorems of logic, and, philosophical considerations about the nature of logic and the universality of some logical laws or axioms. Invited speakers include: A. Avron, D. Batens, J. Corcoran, M. Dunn, D. Gabbay, R. Jansana, A. Koslow, V. de Paiva, and K. Segerberg. The school is intended for advanced students and young researchers. The organizers are: J.-Y. Béziau, A. Costa-Leite, A. Facchini, A. Karpenko, D. Sarenac, and H. Volken. The deadline for submission of contributed papers is October 30, 2004. For further information, visit `http://www.uni-log.org`.(ASL Sponsored Meeting.)

- 2005 Australasian Association for Logic Meeting. *September 24–25, 2005, Perth, Western Australia.* The principal organizer of this conference is H. Slater (email: `slaterbh@cyllene.uwa.edu.au`). The meeting will be held immediately prior to the annual meeting of the Australasian Mathematics Society (September 26–30, 2005), which also will take place in Perth. (ASL Sponsored Meeting.)

- European Commission Ph.D. studentships and short-term visits available. Funding is available both for 3-year Ph.D. studentships, and for short-term visits of at least 3 months by Ph.D. students, with the Logic groups of the universities of Leeds and Manchester (UK), Lyon 1 and Lyon Ecole Normale Superieure (France), and Ludwig Maximilians Universität Munich (Germany).

  Funding is by a European Commission Framework 6 Marie Curie Early Stage Training grant in Mathematical Logic and applications (subject to contract). Eligibility is subject to Marie Curie rules; for example, an applicant cannot usually be hosted by an institution in their home country. For more information, visit `http://www.maths.man.ac.uk/logic/mathlogaps` or contact Dugald Macpherson (`h.d.macpherson@leeds.ac.uk`).