THE BULLETIN OF SYMBOLIC LOGIC
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NOTICES

- IN MEMORIAM: ALFONS BORGERS. Alfons Borgers was born in Herk-De-Stad (Belgium) on March 25, 1919 and died in Leuven (Belgium) on October 1, 2001 at the age of 82. Borgers studied mathematics at the University of Leuven from 1938–1944. He obtained his Ph.D. in 1944, with a dissertation entitled 'A Contribution to the Arithmetical Theory of Cesaro's Summation Method,' which was published in 1946.

  He subsequently turned his attention to mathematical logic and the axiomatic foundations of set theory. This change of research orientation occurred mainly under the influence of one of the pioneers of modal and combinatorial logic, Robert Feys, and to a lesser extent under the influence of the Dutch logicians and mathematicians Beth, Heyting, and Brouwer. From 1944–1949, Borgers was a researcher of the Belgian Fund for Scientific Research. During the period 1944–1947 he worked in Leuven, partly as an assistant to Robert Feys. From 1947 until 1949, he carried out research at the Institute of Advanced Studies in Princeton, during which time he also attended Leon Henkin's, George Berry's, and Alonzo Church's logic courses at Princeton University. From 1949–1950, Borgers served as an assistant to Paul Bernays in Zürich. From 1950 onward, he was a Professor at the department of mathematics of the University of Leuven, where he mainly taught courses in mathematical logic, but also taught the advanced logic courses in the department of philosophy. Borgers served as Managing Editor of the Journal of Symbolic Logic from 1953 until 1983. He became an emeritus professor in 1985.

  Borgers' research after his Ph.D. dissertation concerned the philosophy of mathematics (foundations of arithmetic and foundations of set theory) rather than mathematical logic. However, he had an important influence on the development of mathematical logic in the Dutch-speaking part of Belgium, by preparing Feys' handbook *De Ontwikkeling van het Logische Denken* (*The Development of Logical Thought*) for its 1947 publication, and by writing numerous articles in Dutch on mathematical logic and the foundations of mathematics. His most distinguished Ph.D. student is the logician and mathematician Jan Denef.

- IN MEMORIAM: ROBERT LAWSON VAUGHT. Robert Lawson Vaught, one of the great pioneers in the field of model theory, died on Tuesday, April 2, 2002 in Berkeley after an extended illness, just two days shy of his 76th birthday. Born in Alhambra, California on April 4, 1926, Vaught began his university studies at Pomona College in 1942, before entering the U.S. Navy and earning an A.B. degree in Physics at the University of California, Berkeley, in the Navy's V12 program. He then was sent to Midshipmen School, completing his naval service in 1946 with the rank of Lieutenant jg and returning to Berkeley for graduate studies.

  As a graduate student, Vaught (with John Kelley) made an important contribution toward the solution of a major problem in the theory of C^* algebras before shifting his attention to logic and obtaining a Ph.D. under Alfred Tarski in 1954. After four years at the University of Washington, Vaught was called back to Berkeley in 1958 as Assistant Professor, rising to a Professorship in 1963 and teaching there until his retirement in 1991.

  Many of the fundamental concepts and results in model theory are due to Vaught, and several of his ideas have proved seminal in the development of the subject. For his paper, "Invariant sets in topology and logic," (which he regarded as his best work), he was awarded the first Carol Karp Prize of the Association for Symbolic Logic in 1978. Vaught's writing was noted for its great clarity, and in 1985 he published a senior-level undergraduate text on set theory that was described by a reviewer as "impeccable in its precision, thoughtful in its historical and methodological commentary." He had a long line of distinguished doctoral students, and will be remembered by large numbers of logicians for his kindness and encouragement.

- 2002 SACKS PRIZE. The Sacks Prize, for the best doctoral dissertation in mathematical logic, will be awarded for the eighth time in December 2002. This 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 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.

  Students who complete their degrees (equivalent to the American doctoral degree) between October 1, 2001, and September 30, 2002, 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, Andreas Blass; TeX or PostScript files, sent by e-mail to `ablass@umich.edu` are preferred. Correspondence should be addressed to Andreas Blass, Department of Mathematics, University of Michigan, Ann Arbor, MI 48109-1109. Nominations must be received by September 30, 2002.

  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.

- BOOK DISCOUNTS FOR ASL MEMBERS. Several publishers now offer discounts on books to ASL members. For a detailed description of these discounts, visit `http://www.aslonline.org/books-discounts.html` on the ASL website, or write to the ASL Business Office.

- JSTOR ACCESS FOR ASL MEMBERS. Access to the full-text of *The Bulletin of Symbolic Logic* for the years 1995–2002 has just been made available to all ASL members via JSTOR. Access to *The Journal of Symbolic Logic* for the years 1936–1997 continues to be available. If you already have obtained a JSTOR account for the *Journal*, you now have access to the *Bulletin* via the same account. To obtain your temporary username and password for accessing the *Bulletin* and the *Journal*, or if you have misplaced your account information, contact Paul Arroyo of the University of Illinois Press at `parroyo@uillinois.edu`. To register your account, go to `http://www.jstor.org/logon` and enter your temporary username and password. If you need help registering, download the Individual Access Logon handout at `http://www.jstor.org/about/indiv_support/` or contact JSTOR at `jstor-info@umich.edu`.

- PROPOSALS SOUGHT FOR 2005 ASL ANNUAL MEETING. The ASL Committee on Meetings in North America requests proposals for the 2005 ASL Annual Meeting. The Committee seeks a university somewhere in the western part of North America and a local arrangements committee to host the 2005 meeting and handle the local arrangements. The Committee hopes to hold this meeting sometime in March 2005. For more information, interested parties should contact Peter Cholak via e-mail at `Peter.Cholak.1@nd.edu` no later than October 15, 2002.

- STUDENT TRAVEL AWARDS: THE 2003 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 2003 ASL Annual Meeting in Chicago, Illinois.

Student members of the ASL also may apply for travel grants to other ASL or ASL-sponsored meetings (*Note*: these do not include the 2003 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 2003 ASL Annual Meeting, applications and recommendations should be received before the deadline of March 17, 2003, by the Program Chair: Andreas Blass, Department of Mathematics, University of Michigan, Ann Arbor, MI 48109-1109, USA; email: `ablass@umich.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.

- 2002-03 ASL Winter Meeting (with APA). *December 27–30, 2002, Philadelphia, Pennsylvania.* The members of the Program Committee are J. Burgess, B. Ewald, and S. Weinstein (Chair). The program includes two symposia. The first, on Kant's Philosophy of Mathematics, will be chaired by J. Burgess and includes the speakers E. Carson, A. Jauernig, and L. Shabel. The symposium on Perspectives on Logic and the Foundations of Mathematics, chaired by W. Ewald, includes the speakers D. A. Martin, Y. Moschovakis, and D. Scott. 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 16, 2002, 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`.

- 2002-03 ASL Winter Meeting (with Joint Mathematics Meetings). *January 17–18, 2003, Baltimore, Maryland.* This meeting will take place in conjunction with the Joint Mathematics Meetings, which will be held January 15–18, 2003. The members of the Program Committee are H. Becker (Chair), M.C. Laskowski, and R. Solomon. Invited speakers include: A. Apter, K. Ciesielski, L. van den Dries, J. Hirst, B. Kjos-Hanssen, D. Marker, T. McNicholl, R. Moosa, and A. Roslanowski. There will be an AMS-ASL Joint Special Session on Interactions Between Logic, Group Theory and Computer Science, organized by A. V. Borovik and A. Myasnikov, and an MAA-ASL Joint Special Session on The Role of Logic in Learning to Write Proofs, organized by J. Hirst and D. Velleman. Two AMS Special Sessions also are of interest to logicians: Computability and Models, organized by D. Cenzer and V. S. Harizanov, and Nonstandard Models of Arithmetic and Set Theory, organized by A. Enayat and R. Kossak. 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 30, 2002, 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.

- 2003 ASL Annual Meeting. *June 1–4, 2003, University of Illinois at Chicago, Chicago, Illinois.* The members of the Program Committee include: J. Baldwin, A. Blass (Chair), T. Carlson, B. Hart, D. Hirschfeldt, D. MacQueen, and J. D. Monk. The members of the Local Organizing Committee are: W. Blok, B. Hart (Chair), B. Howard, and D. Marker. 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 February 17, 2003, 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.
- 2003 ASL European Summer Meeting (Logic Colloquium '03). *August 14–20, 2003, Helsinki, Finland.* The members of the Program Committee include: P. Aczel, Z. Adamowicz, J. Baldwin, E. Bouscaren, M. Detlefsen, M. Gitik, L. Hella, T. Jech, R. Parikh, H. Schwichtenberg, T. Slaman, V. Stoltenberg-Hansen (Chair), and J. Väänänen. The Local Organizing Committee members are: T. Huuskonen, T. Hyttinen, J. Kennedy, K. Luosto, J. Oikkonen, J. Väänänen (Chair), and P. Vaisanen.
- 2004 ASL Annual Meeting. *May 19–23, 2004, Carnegie Mellon University, Pittsburgh, Pennsylvania.* The Local Organizing Committee members include: J. Avigad (Chair), S. Awodey, L. Blum, J. Cummings, E. Schimmerling, and W. Sieg. The 2004 Mathematical Foundations of Programming Semantics (MFPS) Meeting, to begin on May 23, 2004, will co-locate with the ASL Annual Meeting (For more information about MFPS, visit http://www.math.tulane.edu/MFPS.html).
- Rules for Abstracts. The rules for abstracts of contributed talks at ASL meetings (including those submitted "by title") may be found at the URL 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.
- 2002 Annual Conference of the Australasian Association for Logic. *November 30–December 2, 2002, Canberra, Australia.* The conference will include a joint day with the Australasian Workshop on Computational Logic. Further information may be obtained via email to the Organizer and Program Chair, K. Bimbó, at bimbo@csl.anu.edu.au, or by visiting the conference web page, http://arp.anu.edu.au/~bimbo/AAL02.html. (ASL sponsored meeting.)
- Eleventh International Workshop on Foundations of Models and Languages for Data and Objects: Databases, Logic and Semistructured Data (FMLDO'02). *September 24–27, 2002, Schloss Rauischholzhausen, Germany.* The general focus of this event will be on "Databases, Logic and Semistructured Data." Invited speakers include W. Fan, G. Gottlob, and J. Minker. The Co-Chairs of the Program Committee are S. Brass, P. Buneman, and T. Schwentick. For further information, visit http://www.fmldo.org/fmldo02/.
- Advances in Modal Logic (AiML 2002). *September 30–October 2, 2002, Toulouse, France.* This event includes a broad range of topics in and around modal logic. The invited speakers include: M. Fitting, R. Goldblatt, I. Hodkinson, C. Lutz, H. Ono, and P. Schnoebelen. The Co-Chairs of the Program Committee are N.-Y. Suzuki and F. Wolter. For further information about AiML, visit http://www.aiml.net/. For further information about AiML 2002, visit http://www.irit.fr/ACTIVITES/LILaC/Pers/Balbiani/aiml02.htm.

- PHILOSOPHICAL INSIGHTS INTO LOGIC AND MATHEMATICS: THE HISTORY AND OUTCOME OF ALTERNATIVE SEMANTICS AND SYNTAX. *September 30–October 4, 2002, Nancy, France.* During this international symposium, the foundations of mathematics will be considered from a philosophical, historical or, if it comes with some philosophical insight, even a technical point of view. Invited speakers include: N. Da Costa, G. Hellman, J. Hintikka, F. W. Lawvere, and S. Shapiro. For further information, visit `http://www.univ-nancy2.fr/ACERHP/colloques/symp02/Symp02-angl.html`.

- NINTH INTERNATIONAL CONFERENCE ON LOGIC FOR PROGRAMMING, ARTIFICIAL INTELLIGENCE, AND REASONING (LPAR 2002). *October 14–18, 2002, Tbilisi, Georgia.* This event includes many topics of interest to logicians. The Co-Chairs of the Program Committee are M. Baaz and A. Voronkov. For more information, visit `http://rpc25.cs.man.ac.uk/lpar2002/`.

- PERSPECTIVES ON MATHEMATICAL PRACTICES. *October 24–26, 2002, Free University of Brussels, Brussels, Belgium.* The invited speakers for this international conference on the philosophy of mathematics include: J. Azzouni, J. Bendegem, P. Ernest, E. Glas, R. Hersh, and S. Restivo. For further information, visit `http://www.vub.ac.be/CLWF/PMP`.

- SELF-REFERENCE. *October 31–November 2, 2002, Roskilde University, Denmark.* Hosted by PHILOG, The Danish Network for Philosophical Logic and Its Applications, the aim of this conference is to bring together researchers in the fields of philosophy, mathematics, and computer science to present theories of and related to self-reference. Invited speakers include: A. Cantini, M. Fitting, A. Gupta, V. McGee, D. Perlis, G. Priest, R. Smullyan, and S. Yablo. For further information, visit `http://www.philog.ruc.dk`.

- SECOND INTERNATIONAL WORKSHOP ON THE HISTORY AND PHILOSOPHY OF LOGIC, MATHEMATICS, AND COMPUTATION (HPLMC-02). *November 7–9, 2002, Donostia, San Sebastián, Spain.* Topics include: Time: Philosophy and Logic; Philosophy and Logic of Action in the Foundations of Distributed Artificial Intelligence; Set Theory: from Cantor to Cohen; and, New Trends in Proof Theory and Model Theory. The provisional list of invited speakers includes: J. Bagaria, P. Dellunde, I. Grattan-Guinness, P. Hasle, P. Øhrstrøm, K. Segerberg, C. Sierra, and A. Zanardo. The Secretary of the Program Committee is X. Arrazola. The deadline for submission of abstracts for contributed papers (by email) is October 4, 2002. For further information, visit `http://www.sc.ehu.es/ilwlaanj/hplmc.html`.

- FORMAL METHODS FOR PROTOCOL ENGINEERING AND DISTRIBUTED SYSTEMS (FORTE 2002). *November 11–14, 2002, Houston, Texas.* The conference provides a forum for the presentation and discussion of the state of the art in the theory, application, and tools and industrialization of Formal Description Techniques (FDT's). Invited speakers include: E. Clarke, D. Harel, D. Johnson, D. Wallach, and E. Weyuker. The Program Chairs are D. Peled (email: `doron@ece.utexas.edu`) and M. Vardi (email: `vardi@cs.rice.edu`). For further information, visit `http://www.ece.utexas.edu/FORTE`.

- SECOND INTERNATIONAL CONFERENCE ON HYBRID INTELLIGENT SYSTEMS (HIS'02). *December 1–4, 2002, Universidad de Chile, Santiago, Chile.* This meeting brings together researchers, developers, practitioners, and users of soft computing, computational intelligence, agents, logic programming, and several other intelligent computing techniques. For further information, visit `http://his02.hybridsystem.com`.

- VERY INFORMAL GATHERING IN HONOR OF YIANNIS N. MOSCHOVAKIS' 65TH BIRTHDAY. *January 24–26, 2003, UCLA, Los Angeles, California.* Invited speakers include: H. Becker, P. Kolaitis, C. Parsons, G. Plotkin, R. Shore, J. Steel, A. Wilkie, and W. H. Woodin. The organizers are G. Hjorth, A.S. Kechris, D.A. Martin, and I. Neeman. For further information, contact I. Neeman (email: `ineeman@math.ucla.edu` or visit `http://www.math.ucla.edu/~greg/vig.html`.