THE BULLETIN OF SYMBOLIC LOGIC
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NOTICES

- IN MEMORIAM: HERBERT ENDERTON. Herbert Enderton died at his home in Santa Monica, California on October 22, 2010, after battling leukemia for nearly a year. Enderton, who was born in 1936, received his Ph.D. in mathematics in 1962 at Harvard University under the supervision of Hilary Putnam. He had a postdoctoral appointment at MIT from 1962 to 1964, and he was an Assistant Professor at UC Berkeley from 1964 to 1968.

  In 1968 he came to UCLA, where he took on two half-time positions, one in the UCLA Mathematics Department and the other as an editor of the Reviews Section of *The Journal of Symbolic Logic*. He continued as an editor of the Reviews until 2002. In 2003 he retired from the Mathematics Department, but taught regularly until he became ill in 2009. He also continued running the UCLA Logic Colloquium, as he had for decades.

  Enderton's thesis and the majority of his published research was on recursion theoretic hierarchies. This subject, which Enderton characterized as "little steps for little feet," was a very active part of mathematical logic in the 1950s, 1960s, and 1970s, and Enderton was an important contributor to it. In the early 1970s, he began devoting himself to teaching, writing expository articles, and—with great success—writing textbooks.

  Enderton's first book, *A Mathematical Introduction to Logic*, was published in 1972. It is the most popular logic text at the advanced undergraduate/beginning graduate level, and it is often used—especially by computer scientists—as "the" standard reference to logic. Now in its second edition published in 2011, it is still going strong. Spanish and Chinese translations appeared in 2004 and 2006, respectively. His 1977 *Elements of Set Theory* also has been very successful. A new undergraduate text, *Computability Theory*: *an Introduction to Recursion Theory*, was completed after he became ill and was published in 2011.

  Alonzo Church had brought himself and the Reviews Section of *The Journal* to UCLA a year before Enderton arrived and joined him. Church retired as Reviews Editor at the end of 1979. After a two-year period of sharing the job with William Craig, Enderton took charge of the Reviews Section. Beginning in 1976 it was decided that only books were reviewed, as the ASL no longer could afford to review every publication in logic and Church opposed selective reviewing of articles. Reviewing of articles began anew in 1981, increasing the size and scope of Enderton's job.

  Enderton's passing is a real loss to his colleagues at UCLA, to the ASL, and to logic in general. He is survived by his wife Catherine, his sons Eric and Herbert ("Bert"), and his granddaughter Evelyn.

- 2011 SACKS PRIZE. The ASL invites nominations for the 2011 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2011. 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 2011 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, 2010, and September 30, 2011, 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 form, or the address of a web site from which an electronic copy in .pdf form can be downloaded. An independent second letter of recommendation is strongly encouraged. Nominations should be sent to the Committee Chair, Itay Neeman; .pdf files sent as attachments by email to `ineeman@math.ucla.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 Itay Neeman, Department of Mathematics, University of California Los Angeles, Los Angeles, CA 90095-1555, 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.

- Call for Proposals: 2014 North American Annual Meeting. The ASL Committee on Logic in North America requests proposals for the 2014 ASL North American Annual meeting, to be held some time in the first five months of 2014. 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: west (Berkeley 2011), midwest (Madison 2012), east (Waterloo 2013). Thus, for 2014 the committee seeks a location in the west. Any reasonable proposal, however, will be considered. For more information, interested parties should contact the Committee Chair, Matt Valeriote (email: `matt@math.mcmaster.ca`) no later than January 9, 2012.
- Call for Proposals: 2013 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 San Diego, January 9–12, 2013. Proposals or requests for further information should be sent to the Committee Chair, Matt Valeriote (email: `matt@math.mcmaster.ca`). The deadline for receipt of proposals is January 9, 2012.
- Discounted Dues for New ASL Individual Members. The ASL now offers a 50% discount on dues for new individual members during each of the first two years of membership. For more information, visit `http://www.aslonline.org/membership-individual.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.
- 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`.

- SPECIAL SALE OF ASL BOOKS. The ASL is making available the following volumes from its book series at an additional discount.

  Lecture Notes in Logic (each volume $12 for ASL members, $16 for non-members): LNL vol. 11, *Logic Colloquium '95; Proceedings of the Annual European Summer Meeting of the Association for Symbolic Logic, held in Haifa, Israel, August* 9-18, 1995; LNL vol. 12, *Logic Colloquium '96; Proceedings of the Colloquium held in San Sebastian, Spain, July* 9-15, 1996.

  Perspectives in Logic (each volume $18 for ASL members, $24 for non-members): *Essential Stability Theory* by S. Buechler; *Metamathematics of First Order Arithmetic* by P. Hajek and P. Pudlak.

  To order these specially discounted volumes, visit `http://www.aslonline.org/books.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 JSL AND BSL BACK ISSUES FOR ASL MEMBERS VIA JSTOR. Access to the full-text of *The Journal of Symbolic Logic* for the years 1936 - 2006 is available to all ASL members via JSTOR. Access to the full-text of *The Bulletin of Symbolic Logic* for the years 1995–2010 also is available to all ASL members via JSTOR. Instructions for activating a new or existing account will be emailed to you directly from JSTOR User Services (`support@jstor.org`) within a week of your new ASL membership or renewal. If you do not receive this email, or have not provided the ASL with an email address, please contact the ASL Member Service provider at the American Mathematical Society (`asl-service@ams.org`).

- STUDENT TRAVEL AWARDS: THE 2012 ASL NORTH AMERICAN 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 2012 ASL North American Annual Meeting in Madison, Wisconsin (the announcement for travel award applications for the 2012 European Summer Meeting will be made in in the fall of 2011). Student members of the ASL also may apply for travel grants to other ASL or ASL-sponsored meetings. 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 for meetings outside of North America 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 the 2012 ASL North American Annual Meeting, applications and recommendations should be received before the deadline of December 19, 2011, by the Program Chair: Bradd Hart, Dept. of Mathematics & Statistics, McMaster University, 1280 Main Street West, Hamilton, Ontario, Canada L8S 4K1; Fax: 905-522-0935; email: `hartb@mcmaster.ca`. Applications by email are preferred.

  For ASL student member travel grants to ASL or ASL-sponsored meetings (other than the 2012 North American Annual Meeting and the 2012 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.

- 2011-12 ASL WINTER MEETING (WITH APA). *December* 27–30, 2011, *Washington, D.C.* This meeting will be held jointly with the Annual Meeting of the Eastern Division of the American Philosophical Association. Two invited sessions are planned. The first, on *Dynamical Semantics*, includes the speakers N. Charlow, and W. Starr, with a third speaker yet to be confirmed. In the second session, on *Lambda calculi, type systems, and applications to natural language*, the speakers are: C. Barker, O. Kiselyov, and C.-c. Shan. The members of the Program Committee are M. Glanzberg and P. Kremer (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 12, 2011, 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`.

- 2011-12 ASL WINTER MEETING (WITH JOINT MATHEMATICS MEETINGS). *January* 6–7, 2012, *Boston, Massachusetts*. This meeting will take place in conjunction with the Joint Mathematics Meetings. The confirmed invited speakers include: J. Baldwin, J. Franklin, C.W. Henson, J. Knight, R. Kossak, and D. Sinapova. There also will be an AMS-ASL Special Session on *The Life and Legacy of Alan Turing*, organized by D. Dzhafarov, J. Hirst, and C. Mummert. The members of the Program Committee are N. Dobrinen, P. Fejer, and P. Scowcroft (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 9, 2011, 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`.

- 2012 ASL NORTH AMERICAN ANNUAL MEETING. *March* 31–*April* 3, 2012, *Madison, Wisconsin*. The members of the Program Committee are: J. Avigad, B. Hart (Chair) A. Miller, G. Nadathur, and J. Reimann. The Local Organizing Committee includes: U. Andrews, M. Cai, S. Lempp (Chair), A. Miller, and J. Miller.

  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 5, 2011, 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`.

- 2013 ASL NORTH AMERICAN ANNUAL MEETING. *May* 8–*May* 11, 2013, *Waterloo, Ontario, Canada*. The Local Organizing Committee includes: S. Ben-David, B. Csima (Chair), D. DeVidi, R. Moosa, and R. Willard.

- 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.

- INTERNATIONAL CONFERENCE ON ALGEBRA AND LOGIC DEDICATED TO THE 100TH BIRTHDAY OF PROFESSOR V.V. MOROZOV. *September* 25–30, 2011, *Kazan, Russia*. The invited speakers include: S.A. Badaev, V.V. Bludov, M.V. Bondarko, Yu. L. Ershov, S.S. Goncharov, W.B. Guo, N.A. Koreshkov, T.M. Kraling, S. Lempp, V.M. Levchuk, A.A. Makhnev, V.D. Mazurov, A.N. Parshin, V.L. Popov, V.G. Puzarenko, M.V. Semenova, W. Shi, K.P. Shum, S.M. Skryabin, A.I. Stukachev, E.P. Vdovin, E.B. Vinberg, S.V. Vostokov, G. Wu, Y. Zhang, and I.B. Zhukov. The Chair of the Program Committee is Yu. L. Ershov and the Chair of the Organizing Committee is M. Arslanov. For further information, visit `http://www.vvmorozov2011.ksu.ru/indexe.php`. (ASL Sponsored Meeting.)

- History and Philosophy of Computing. *November* 7–10, 2011, *Het Pand, Belgium*. Topics on which this event will focus include: the birth, evolution and future of computation; philosophical, foundational and practical issues of computability in logic, mathematics and computer science; and, computation in the sciences. The invited speakers include: W. Aspray, M. Davis, F. Kamareddine, S. Krämer, G. Sambin, R. Turner and S. Wolfram. The Conference Chairs are L. De Mol and G. Primiero. For further information, visit `http://www.computing-conference.ugent.be/`. (ASL Sponsored Meeting.)
- Twelfth Asian Logic Conference. *December* 15–20, 2011, *Wellington, New Zealand*. This meeting will be held jointly with a meeting of the Australasian Association for Logic (AAL). The tutorial speakers are M. Grohe and Z. Sela. The invited plenary speakers include: M. Detlefsen (joint with AAL), I. Goldbring, N. Greenberg, W. Guohua, H. Ono (joint with AAL), G. Sargsyan, and A. Tsuboi. Special sessions will be offered on the following topics (with organizers in parentheses): algorithmic randomness (A. Nies), logical aspects of algebraic structures (R. Downey and A. Montalban), logical aspects of graphs and matroids (D. Marx and G. Whittle), modal logic (R. Goldblatt and E. Mares), and set theory (Q. Feng and H. Woodin). There will be an additional workshop for students on December 14th featuring the conference tutorial speakers. The Program Committee includes: T. Arai, R. Downey, Q. Feng, S.S. Goncharov, B. Kim, G. Restall, and Y. Yue. The Local Organizing Committee members are: C. Bailey, R. Downey, N. Greenberg, and G. Whatarau. For further information, visit `http://msor.victoria.ac.nz/Events/ALC2011/WebHome`. (ASL Sponsored Meeting.)
- Turing Centenary Conference Computability in Europe 2012 (CiE 2012)—How the World Computes. *June* 18–23 2012, *Cambridge, England*. The eighth in a series organized within the network "Computability in Europe" (CiE), CiE 2012 is one of a series of special events, running throughout the Alan Turing Year, celebrating Turing's unique impact on mathematics, computing, computer science, informatics, morphogenesis, philosophy and the wider scientific world. Its central theme is the computability-theoretic concerns underlying the broad spectrum of Turing's interests, and the contemporary research areas founded upon and animated by them. Invited speakers include: V. Becher, L. Blum, R. Downey, Y. Gurevich, J. Hartmanis, A. Hodges, R. Jozsa, S. Kauffman, J. Murray, P. Smolensky, I. Stewart, and L. Valiant. Special sessions are planned on the following topics (with chairs in parentheses): computational models after Turing: the Church-Turing Thesis and beyond (M. Davis and W. Sieg); cryptography, complexity, and randomness (R. Downey and J. Lutz); morphogenesis/emergence as a computability theoretic phenomenon (P. Mani and P. Sloot); open problems in the philosophy of information (P. Adriaans and B. Löwe); the Universal Turing Machine and the history of the computer (J. Copeland and J. Tucker); and, the Turing Test and thinking machines (M. Bishop and R. Verbrugge). The Program Committee Co-Chairs are S.B. Cooper and A. Dawar, and the Chair of the Local Organizing Committee is A. Dawar. For more information, visit `http://www.cie2012.eu`. (ASL Sponsored Meeting.)
- Twentieth Annual Conference of the European Association for Computer Science Logic (CSL 2011). *September* 12–15, 2011, *Bergen, Norway*. This meeting is intended for computer scientists whose research activities involve logic, as well as for logicians working on issues significant for computer science. The invited speakers include: T. Ehrhard, M. Otto, M. Vardi, and F. Wolter. The 2011 Ackermann Award, the EACSL annual award for the

outstanding dissertation for logic in computer science, will be presented at the meeting. The Chair of the Program Committee is M. Bezem. The members of the Organizing Committee are: I. Adler, M. Bezem, M. Haveraaen, and M. Walicki. For further information, visit http://www.eacsl.org/csl11.

- Reverse Mathematics Workshop. *September* 16–18, 2011, *Chicago, Illinois.* While this event will be centered on the program of reverse mathematics, its scope is intended to be broad, including connections with the foundations of mathematics, computability theory, and proof theory. Those interested in these areas are encouraged to participate. Confirmed invited speakers include: J. Avigad, P. Cholak, J. Hirst, C. Jockusch, S. Lempp, A. Marcone, C. Mummert, M. Rathjen, R.A. Shore, S.G. Simpson, T.A. Slaman, and A. Weiermann. The workshop is supported by the Packard Foundation. For further information, visit http://www.math.uchicago.edu/~antonio/RM11/.
- Appalachian Set Theory. *October* 15, 2011, *Chicago, Illinois.* B. Velickovic will give a day-long workshop entitled, "Proper forcing remastered". This workshop series is supported by the National Science Foundation. Further information will be posted at http://www.math.cmu.edu/~eschimme/Appalachian/Index.html.
- Rutgers MAMLS Conference. *October* 22–23, 2011, *New Brunswick, New Jersey.* The fall 2011 MAMLS Meeting will be dedicated to the memory of Greg Hjorth. The invited speakers include: S. Gao, A. Kechris, I. Neeman, S. Popa, S. Shelah, J. Steel, A. Tornquist, and W.H. Woodin. For further information, visit http://www.math.rutgers.edu/~sthomas/RU2011.html.
- Mid-Atlantic Mathematical Logic Seminar (MAMLS). *January* 13–15, 2012, *Deerfield Beach, Florida.* This event, hosted by Florida Atlantic University, is part of Alan Turing Year, commemorating the centenary of his birth (see http://www.mathcomp.leeds.ac.uk/turing2012/). There will be a special session dedicated to Turing's life and times, which will include an address by his biographer David Leavitt, as well as other surprises. The invited speakers for the scientific portion of the meeting include: W. Calvert, M. Davis, J. Hamkins, P. Hofstra, R. Miller, A. Nerode, G. Sacks, A. Scedrov, W. Sieg, and R. Soare. For further information, including information about funding for participants, write to R. Lubarsky (email: Lubarsky.Robert@comcast.net) or visit http://math.fau.edu/richman/FAU2012.html.
- Twenty-fourth European Summer School in Logic, Language and Information (ESSLLI-2012). *August* 6–17, 2012, *Opole, Poland.* 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 A. Herzig and the Local Co-chair is A. Pietryga. The Organizing Committee Co-Chairs are J. Czelakowski and U. Wybraniec-Skardowska. ESSLLI-2012 is organized under the auspices of the European Association for Logic, Language and Information (FoLLI). For more information about ESSLLI-2012 visit http://www.esslli2012.pl; for further information about FoLLI, visit http://www.folli.org.
- Verification of Sequential and Concurrent Programs. Authors: K.R. Apt, F.S. de Boer, and E.-R. Olderog (third extended edition, with a forward by A. Pnueli; Springer-Verlag, 2009, ISBN: 978-1-84882-744-8) http://www.springer.com/computer/theoretical+computer+science/ book/978-1-84882-744-8.