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NOTICES

- In Memoriam: Robert DiPaola. Robert DiPaola, Professor of Computer Science and Mathematics at the City University of New York, died Wednesday, April 1, 1998, at the age of 64. He received his BA from Fordham University in The Bronx, New York, pursued graduate studies at the University of Wisconsin in Madison, and received his PhD in Mathematics from the Belfer Graduate School of Science at Yeshiva University in New York City in 1964. Professor DiPaola taught at the University of California at Los Angeles, held a position at the Rand Corporation in Santa Monica, and accepted a position at Queens College of the City University of New York in 1975 which he held for the rest of his life. He was instrumental in establishing a joint program in mathematical logic between the University of Siena in Italy and the Graduate School of the City University of New York. He worked in recursion theory, especially in relation to formal systems, and (with Alex Heller) on an abstract theory of recursion in the context of dominical categories.
- In Memoriam: Jerzy Łoś. Jerzy Łoś died in Warsaw on June 1, 1998, at the age of 78. In 1949 he received the PhD at the University of Wrocław and in 1955 a DSc at the Institute of Mathematics of the Polish Academy of Sciences. In 1964 he was elected a correspondent member of the Polish Academy of Sciences and in 1983 a full member. In the period 1947–1961 Professor Łoś held academic positions at the Universities of Lublin, Wrocław, and Toruń. For over 30 years starting in 1957 he held positions at several institutes of the Polish Academy of Sciences. Honors and awards received by Professor Łoś included: Cross of Merit, Polonia Restituta, Award of the Secretary of the Polish Academy of Sciences for achievements in mathematical economics, Sierpiński Medal, and the Jurzykowski Award for activity in the Solidarity movement. In 1995 he received an honorary doctorate from the University of Hagen, Germany. Professor Łoś served as President of the Division of Logic, Methodology and Philosophy of Science of the International Union of History and Philosophy of Science during 1979–1983. The research interests of Professor Łoś were exceptionally broad, and included philosophy, algebra (group theory), logic (model theory), probability theory, and mathematical foundations of economics.
- The 1998 ASL Election. At the end of this year the ASL will elect a Secretary-Treasurer, as well as two members of the Executive Committee of the Council and two members of the Council. All terms are for three years beginning January 1, 1999. The ballot was sent to all ASL members with the November Newsletter. The 1998 Nominating Committee nominated C. Ward Henson (University of Illinois at Urbana-Champaign) for another term as Secretary-Treasurer. Steffen Lempp (University of Wisconsin, Madison) and John Steel (University of California, Berkeley) were nominated for the Executive Committee positions, and Jan Krajíček (Academy of Sciences of the Czech Republic) and Hajnal Andréka (Hungarian Academy of Sciences) were nominated for the Council positions. The Nominating Committee consisted of Johan van Benthem, Petr Hájek, Vann McGee, David Marker, Theodore A. Slaman, Chair, and W. Hugh Woodin.
- Travel Grants to the Eleventh International Congress of Logic, Methodology and Philosophy of Science; August 20–26, 1999; Krakow, Poland. The ASL intends to provide a program of travel grants to support participation by logicians in this International Congress, as it has done regularly in the past. A grant from the US National Science Foundation has been applied for, to provide the necessary funds. Only those who are contributing a paper to the Congress or otherwise are official participants are eligible for a

travel grant. Recipients must be US citizens or permanent residents or must be employed in a US university or other institution. Recent PhD recipients, women, and members of minority groups are especially encouraged to apply. Air travel must be on US flag carriers. Application must be made on a special form, which may be obtained from the ASL office (ASL, 1409 West Green Street, Urbana, Illinois 61801; email: `asl@math.uiuc.edu`). The form may also be printed out from the ASL website: `http://www.aslonline.org`. Applications must be received at the ASL office by the deadline of February 1, 1999. For more information about this Congress see the meeting home page `http://www.uj.edu.pl/Phils/congress`.

- STUDENT TRAVEL GRANTS: THE 1998–99 ANNUAL MEETING AND THE 1999 EUROPEAN SUMMER MEETING. The ASL will make available modest travel grants to graduate students in logic and (for the European Summer Meeting only) to recent PhDs, so that they may attend the 1998–99 ASL Annual Meeting in San Diego, California, or the 1999 ASL European Summer Meeting in Utrecht, The Netherlands; see below for information about these meetings. To be considered for a Travel Grant, 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 (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, (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. Only modest grants will be possible, partially covering travel costs and perhaps some of the living expenses during the meeting. Women and members of minority groups are strongly encouraged to apply. In addition to funds provided by the ASL, this 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 as well as citizens and permanent residents of the USA. For the 1998–99 ASL Annual Meeting, applications should be sent by the deadline of January 29, 1999 (deadline extended), to the Program Chair: Sam Buss, Department of Mathematics, University of California at San Diego, La Jolla, California 92093-0112; email: `sbuss@ucsd.edu`. For the 1999 ASL European Summer Meeting they should be sent by the deadline of April 2, 1999, to the Program Chair: Wilfrid Hodges, School of Mathematical Sciences, Queen Mary and Westfield College, Mile End Rd., London E1 4NS, England; email: `w.hodges@qmw.ac.uk`. For both meetings, application by email is allowed, in fact encouraged.
- THE 1999 DUES BILLING. ASL renewal bills were sent out during November. Members are allowed to pay membership dues for up to five years into the future (through 2003) at the 1999 rate ($56.00). Students who are Institutional Nominees for 1998 are responsible for finding out whether their nomination will continue in 1999. ASL members will again be able to subscribe to the *Journal of Philosophical Logic* at a specially discounted rate; the *JPL* subscription fee for 1999 will be $28.00. Retired logicians who have been ASL members for at least 20 years may become Emeritus Members; such members pay no dues and receive the ASL Newsletter mailings, but not the journals. Interested persons should write to the Secretary-Treasurer. Contributions in support of ASL activities will be gratefully received.
- BOLZANO MEDAL AWARDED TO GAISI TAKEUTI. On July 10, 1998, the Bolzano Medal was awarded to Gaisi Takeuti during the opening ceremony of the 1998 ASL European Summer Meeting (Logic Colloquium '98), in Prague, Czech Republic. The Bolzano Medal is the highest award of the Academy of Sciences of the Czech Republic for outstanding research in the mathematical sciences. The Medal was presented by Prof. Zahradnik, President of the Academy of Sciences. The text of the laudatio, which was delivered by Jan Krajíček, and of Takeuti's lecture on quantum computing will be published in the proceedings of the conference.

- Rules for Abstracts. Abstracts of contributed talks at ASL meetings are limited to 300 words (about three quarters of a page in the standard, 11pt LaTeX article style), including the title and other heading material and the references. They must be submitted in hard copy or electronically *in PostScript format*; TeX files, MS-Word files, etc. will not be accepted. For ASL meetings in North America, at least one author of each contributed abstract must be an ASL member; this requirement does not apply to the ASL European Summer Meeting. To ensure accurate and timely typesetting: (1) Each abstract submission must include the complete address of at least one author, including an email address, or a statement that no email address is available. (2) Abstracts may not include drawings or footnotes. (3) The references must be complete: author, title, full name of journal, year, volume, page numbers; for a book, complete publisher data. Typesetting is done immediately after the submission deadline, so abstracts should be in final form when they are submitted. A typeset booklet containing the abstracts will be distributed to participants at the meeting. Galley proofs are given to authors at the time of the meeting or before, and must be corrected, approved, and returned within a few days of receipt; only corrections to typesetting errors can be made in galley proofs. Abstracts are published as part of the meeting report in *The Bulletin of Symbolic Logic* only if the author is a member of the ASL at the time the report is sent for publication.
- The 1998–99 ASL Winter Meeting. *January 15–16, 1999, San Antonio, Texas.* This meeting will be held in conjunction with the annual meeting of the American Mathematical Society, January 13–16, 1999. Invited speakers in the ASL meeting include M. Benedikt, G. LaForte, C. Laskowski, W. Mitchell, A. Pillay, R. Soare, S. Solecki, and R. Solomon. The ASL Program Committee consists of Peter Cholak, Chair, Lou van den Dries, and Steve Jackson. In the AMS meeting there will be an ASL/AMS Special Session on Model Theory and its Applications, organized by A. Pillay. Further information about the AMS meeting may be found at their website, at the address: `http://www.ams.org/amsmtgs/2031_intro.html`.
- The 1998–99 ASL Annual Meeting. *March 20–23, 1999, San Diego, California.* The meeting program will include the Tenth Gödel Lecture. Former ASL President M. Magidor will give a Retiring Presidential Address. There will be a Symposium on Mathematical Intuition with speakers including M. Friedman and C. Parsons. Other invited speakers include S. Friedman, J. Knight, S. Lempp, T. Pitassi, H. Schoutens, S. Thomas, W. Tait, V. Vianu, and J. Zapletal. A series of two tutorial lectures in finite model theory will be given by R. Fagin. There will also be a number of special sessions, including (with the organizers in parentheses): computability theory (C. G. Jockusch, Jr.), finite model theory and stability theory (J. Baldwin), philosophical logic (V. McGee and G. Sher), proof theory and complexity (S. Buss), and set theory (G. Hjorth). Abstracts of contributed talks from ASL members should be sent by the deadline of January 15, 1999, to the Program Chair: Sam Buss, Department of Mathematics, University of California at San Diego, La Jolla, California 92093-0112; email: `sbuss@ucsd.edu`. Abstracts must satisfy the Rules for Abstracts given above. The program committee consists of S. Buss, Chair, B. Hart, C. Jockusch, V. McGee, and W. H. Woodin. The Chair of the local organizing committee is G. Sher. Further information is available at the meeting website: `http://math.ucsd.edu/~asl99`.
- The 1999 ASL Spring Meeting. *May 7–8, 1999, New Orleans, Louisiana.* This meeting will be held in conjunction with the annual meeting of the Central Division of the American Philosophical Association, May 5–8, 1999. The Program Commmittee for the ASL meeting includes Graeme Forbes, Co-Chair, Philip Kremer, and Charles Parsons, Co-Chair. Abstracts of contributed talks from ASL members should be sent by the deadline of February 26, 1999, to the ASL office (`asl@math.uiuc.edu`; ASL, 1409 W. Green Street, Urbana, Illinois 61801). Abstracts must satisfy the Rules for Abstracts given above. The APA meeting will include a Symposium on Frege and Russell, with speakers Peter Hylton and Ian Rumfitt.

- The 1999 ASL European Summer Meeting (Logic Colloquium '99). *August 1–6, 1999, Utrecht, The Netherlands.* The program will represent logic from a wide perspective. A featured topic will be computational logic, broadly conceived. Tutorials will be offered by G. Hjorth, J. Klop, and I. Moerdijk. Invited speakers include S. Abramsky, L. Beklemishev, D. Haskell, D. Miller, J. Rutten, P. Speissegger, and A. Weiermann. Abstracts of contributed talks must be submitted by the deadline of April 2, 1999, to the Program Chair: Wilfrid Hodges, School of Mathematical Sciences, Queen Mary and Westfield College, Mile End Rd., London E1 4NS, England; email: `w.hodges@qmw.ac.uk`. Abstracts must satisfy the Rules for Abstracts given above. The Program Committee includes E. Barendsen, J. van Eijck, S. Goncharov, W. Hodges, Chair, D. de Jongh, A. Kechris, P. Koepke, M. Lerman, D. Marker, J. van Oosten, A. Pitts, and A. Visser. The Local Organizing Committee includes J. van Eijc, Chair, M. de Rijke, Y. Venema, P. Dekker, and P. Blok. Those interested in participating in this ASL meeting should note that ESSLLI-99 will take place in Utrecht during the two following weeks, August 8–20, 1999.
- The 1999-2000 ASL Winter Meeting. *January 21–22, 2000, Washington, DC.* It is anticipated that this meeting will be held in conjunction with the annual meeting of the American Mathematical Society, January 19–22, 2000. Program Chair of the ASL meeting is Jean Larson. Abstracts of contributed talks from ASL members should be sent by the deadline of October 1, 1999, to the ASL office (`asl@math.uiuc.edu`; ASL, 1409 W. Green Street, Urbana, Illinois 61801). Abstracts must satisfy the Rules for Abstracts given above.
- ASL Meetings in the Year 2000. The ASL Annual Meeting and the ASL European Summer Meeting in the year 2000 will be organized to have special impact on the future of logic, in recognition of the new millennium. Those who wish to make suggestions for these meetings are invited to communicate them to the ASL Secretary-Treasurer (`henson@math.uiuc.edu`) or to the Program Chairs.
- The 1999–2000 ASL Annual Meeting. *June 3–7, 2000, University of Illinois at Urbana-Champaign.* The Program Chair for this meeting is Carl G. Jockusch, Jr. The Local Organizing Committee consists of L. van den Dries, C. W. Henson, C. G. Jockusch, Jr., and A. Pillay. The Program Committee welcomes suggestions for speakers and topics, which may be sent to the Program Chair: Carl G. Jockusch, Jr., Mathematics Department, University of Illinois at Urbana-Champaign, 1409 West Green Street, Urbana, Illinois 61801; email: `jockusch@math.uiuc.edu`.
- The 2000 ASL European Summer Meeting (Logic Colloquium 2000). *July 23–31, 2000, Paris, France.* The Program Committee includes D. Andler, C. Berline, B. Cooper, D. van Dalen, A. Kanamori, A. Razborov, H. Schwichtenberg, J. Steel, S. Todorčević, A. Wilkie, and C. Wood, Chair. The Local Organizing Committee includes Z. Chatzidakis, R. Cori, M. Dickmann, D. Lascar, L. Pacholski, J.-P. Ressayre, and B. Veličković. The Program Committee welcomes suggestions for speakers and topics, which may be sent to the Program Chair: Carol Wood, Department of Mathematics, Wesleyan University, Middletown, Connecticut 06459; email: `cwood@wesleyan.edu`.
- 6th Workshop on Logic, Language, Information and Computation (WoLLIC'99). *May 25–28, 1999, Rio de Janeiro, Brazil.* This workshop, which will be held at Itatiaia National Park, is the sixth in a series of workshops which started in 1994 with the aim of fostering interdisciplinary research in pure and applied logic. The Program Committee includes G. Bellin, W. Carnielli, A. Edalat, R. van Glabbeek, J. Groenendijk, R. Kossak, D. Lehmann, D. Pavlovic, and M. Vardi. The Organizing Committee includes M. Benevides, W. Carnielli, Co-Chair, M. Finger, E. H. Haeusler, A. G. de Oliveira, L. C. Pereira, and R. de Queiroz, Co-Chair. Contributions are invited in the form of short papers (10 A4 10pt pages) in all areas related to logic, language, information and computation. Papers must be submitted

anonymously (a separate identification page must be included), be written in English, and give enough detail to allow the program committee to assess the merits of the work. Submissions must be received by the deadline of March 8, 1999, by one of the Co-Chairs: Ruy de Queiroz, Departamento de Informatica, Univ. Federal de Pernambuco, CP 7851, 50732-970 Recife, PE, Brazil; telephone: (+55 81) 271 8430; Fax: (+55 81) 271 8438; email: `ruy@di.ufpe.br`; or Walter Carnielli, Centro de Logica e Epistemologia, Univ. Estadual de Campinas, CP 6133, 13081-970 Campinas, SP, Brazil; telephone/Fax: (+55 192) 893269. WWW: `http://www.di.ufpe.br/~wollic/wollic99/`. (ASL sponsored meeting.)

- 1999 ANNUAL CONFERENCE OF THE AUSTRALASIAN ASSOCIATION FOR LOGIC. *July 2–5, 1999, Melbourne University, Australia.* The conference organizer is Prof. Ross Brady, Philosophy Department, La Trobe University, Victoria, 3083 Australia; email: `Ross.Brady@latrobe.edu.au`. (ASL sponsored meeting.)
- FOURTEENTH ANNUAL IEEE SYMPOSIUM ON LOGIC IN COMPUTER SCIENCE (LICS '99). *July 2–5, 1999, Trento, Italy.* The Program Chair is Giuseppe Longo, Attn: LICS, LIENS (CNRS) et DMI, Ecole Normale Superieure, 45 Rue D'Ulm, 75005 Paris, France; telephone: +33-1-4432-3328; Fax: +33-1-4432-2080; email: `Giuseppe.Longo@ens.fr`. The Program Committee includes M. Abadi, R. Alur, L. C. Aiello, A. Asperti, V. Danos, M. Dezani, R. Di Cosmo, G. Dowek, A. Edalat, T. Ehrhard, M. Fitting, R. van Glabbeek, M. Grohe, N. Klarlund, G. Levi, G. Longo, M. Okada, M. Otto, E. Robinson, D. Sangiorgi, A. Sernadas, N. Shankar, W. Thomas, and S. Weinstein. The Kleene Award for Best Student Paper will be awarded. Contributed papers must be submitted by email, by the deadline of December 10, 1998; see the LICS webpage for details: `http://www.bell-labs.com/topic/conferences/lics`. This symposium is part of the Federated Logic Conference (FLoC '99). For more information about FLoC, see `http://www.cs.bell-labs.com/cm/cs/what/floc99`. (ASL sponsored meeting.)
- CALENDAR OF OTHER MEETINGS. See `http://www.aslonline.org` and the indicated Web pages for more information, including rules for submission of papers.
- SYMPOSIUM IN HONOR OF SOLOMON FEFERMAN. *December 11–13, 1998, Stanford University, Stanford, California.* This Symposium in honor of the 70th birthday of Solomon Feferman will be held at Cordura Hall (CSLI), Stanford University. Prof. Feferman served as President of the Association for Symbolic Logic during 1981–1983. Program Co-Chairs for the meeting are Jon Barwise and Wilfried Sieg; the Local Organizing Committee includes Rick Sommer and Carolyn Talcott. Keynote speakers include G. Jäger, P. Martin-Löf, Y. Moschovakis, C. Parsons, W. Pohlers, and G. Takeuti. Each section of the program will also include several shorter talks, and there will be a dinner on December 12. Complete information about the meeting is available at the website: `http://www-formal.stanford.edu/clt/Reflections/feferfest.html`.
- THE 7TH ANNUAL LOGIC SUMMER SCHOOL. *January 11–22, 1999, Canberra, Australia.* Further information: Ms. C. Waterson, Automated Reasoning Project, RSISE, The Australian National University, Canberra ACT 0200, Australia; telephone: (02) 6279 8630; Fax: (02) 6279 8651; email: `lss-admin@arp.anu.edu.au`; WWW: `http://arp.anu.edu.au/www/lss/lss.html`.
- THE WORKSHOP ON COMPUTER SCIENCE AND INFORMATION TECHNOLOGIES (CSIT). *January 18–22, 1999, Moscow, Russia.* Further information: `http://msu.jurinfor.ru./CSIT/`.
- FOUNDATIONS OF SOFTWARE SCIENCE AND COMPUTATION STRUCTURES (FOSSACS'99). *March 22–26, 1999, Amsterdam, The Netherlands.* Further information: `http://www.informatik.rwth-aachen.de/fossacs/`.

- SYMPOSIUM ON THEORETICAL ASPECTS OF COMPUTER SCIENCE (STACS '99). *March 4–6, 1999, Trier, Germany.* Further information: `http://stacs.uni-trier.de/STACS99/`.
- MATHEMATICAL FOUNDATIONS OF PROGRAMMING SEMANTICS (MFPS XV). *April 28–May 1, 1999, Tulane University, New Orleans, Louisiana.* Further information: `http://www.math.tulane.edu/mfps15.html`.
- FOURTEENTH ANNUAL IEEE CONFERENCE ON COMPUTATIONAL COMPLEXITY: THE FEDERATED COMPUTING RESEARCH CONFERENCE. *May 4–6, 1999, Atlanta, Georgia.* Further information: Luc Longpré, Computer Science Department, University of Texas at El Paso, El Paso, Texas 79968; email: `longpre@cs.utep.edu`; WWW: `http://cs.utep.edu/longpre/complexity.html`.
- EIGHTEENTH ACM SIGMOD-SIGACT-SIGART SYMPOSIUM ON PRINCIPLES OF DATABASE SYSTEMS (PODS). *May 31–June 2, 1999, Philadelphia, Pennsylvania.* Further information: Prof. Christos Papadimitriou, Computer Science Division, Soda Hall, University of California, Berkeley, Calfiornia 94720; telephone: 510-642-1559; email: `christos@cs.berkeley.edu`; WWW: `http://www.research.att.com/conf/sigmod99`.
- CONFERENCE ON AUTOMATED DEDUCTION (CADE-16). *July 7–10, 1999, Trento, Italy.* Further information: `http://www.mpi-sb.mpg.de/cade-16/`.
- INTERNATIONAL CONFERENCE ON TOPOLOGY AND ITS APPLICATIONS. *August 23–27, 1999, Yokohama, Japan.* Further information: email: `msakai@cc.kanagawa-u.ac.jp`; WWW: `http://mathya.b6.kanagawa-u.ac.jp/math/conf.htm`.
- ANNUAL CONFERENCE OF THE EUROPEAN ASSOCIATION FOR COMPUTER SCIENCE LOGIC (CSL'99). *September 20–25, 1999, Madrid, Spain.* For submissions (deadline March 19, 1999): Prof. M. Rodriguez-Artalejo, CSL'99, Departamento de Sistemas Informaticos y Programacion, Facultad de Matematicas, Universidad Complutense de Madrid, Av. Complutense s/n, E-28040 Madrid, Spain; telephone: +34 1 3 94 45 12; Fax: +34 1 3 94 46 07; email: `mario@sip.ucm.es`. Further information: `http://mozart.sip.ucm.es:1580/csl99`.
- 5TH INTERNATIONAL CONFERENCE ON LOGIC PROGRAMMING AND NONMONOTONIC REASONING (LPNMR'99). *September 22–25, 1999, El Paso, Texas.* Further information: `http://www.dbai.tuwien.ac.at/lpnmr99/`.
- OTHER ANNOUNCEMENTS. See `http://www.aslonline.org` and the indicated Web pages for more information.
- LIST OF RESEARCH GROUPS. A. Setzer has provided a list of research groups in mathematical logic, philosophical logic, and theoretical computer science on the WWW, which contains links to related topics as well: `http://www.math.uu.se/logik/logic-server/index.html`.
- FOUNDATIONS OF MATHEMATICS (FOM) ONLINE. FOM is an automated email list for discussing foundations of mathematics. It is moderated by Prof. Stephen G. Simpson. Information on how to subscribe is available at the webpage. Stephen G. Simpson, Department of Mathematics, Pennsylvania State University, 333 McAllister Building, University Park, State College, PA 16802; telephone: 814-863-0775; Fax: 814-865-3735; email: `simpson@math.psu.edu`; WWW: `http://www.math.psu.edu/simpson/fom/info`.