THE BULLETIN OF SYMBOLIC LOGIC
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NOTICES

- IN MEMORIAM. Johan J. de Iongh died on June 9, 1999 at the age of almost 84. He served as a Professor of Mathematics at the Catholic University of Nijmegen, The Netherlands, from 1960 until 1984, taking care, in particular, of the Philosophy and the Foundations of Mathematics. He was the first Professor of Mathematics at his University and founded the Department. He was a friend of L. E. J. Brouwer and tried to further the cause of intuitionistic mathematics. He gave much of his attention to mathematics education, from the primary school to the university level. He was a man of great learning and wide interests. He was steeped in Greek culture and loved Plato and Euclid. He was extremely self-critical and could not bring himself to publish very much. A passionate teacher, he loved and was loved, and will be gratefully remembered by many of his students.
- IN MEMORIAM. Burton Dreben, Edgar Pierce Professor of Philosophy, Emeritus, at Harvard University, and Professor of Philosophy at Boston University, died of lymphoma on July 11, 1999, at the age of 71. He was born in 1927 in Boston and graduated from Harvard College in 1949. His affiliation with Harvard was almost continuous thereafter, although he retired from Harvard in 1990 and taught at Boston University from 1991. He worked on the decision problem for first-order logic and was author, with Warren Goldfarb, of *The Decision Problem: Solvable Classes of Quantificational Formulas* (1979). With collaborators he discovered in the 1960s the errors in Herbrand's proof of his fundamental theorem and corrected them to the extent possible. He was a pioneer and a very influential figure in the historical study of analytical philosophy and the history of modern logic. He served the ASL as an editor of *The Journal of Symbolic Logic* and as Treasurer.
- IN MEMORIAM. Antonio Mário Antunes Sette died in Campinas, Brazil, on August 13, 1999. He was Professor of Logic in the Philosophy Department of the Institute for Philosophy and Human Sciences of the State University of Campinas (UNICAMP), and was a founding member there of the Center for Logic, Epistemology and the History of Science. Professor Sette started at UNICAMP in 1969, when the Group in Logic of the Institute for Mathematics, Statistics and Computer Science was formed there. After a period in Recife, he returned to UNICAMP and remained there for the rest of his life. Professor Sette was a founding member of the Brazilian Logic Society, of which he was one of the first Vice Presidents. He served as a member of the ASL Committee on Logic in Latin America.
- IN MEMORIAM. Huges Leblanc died September 10, 1999, at the age of 75. He received a Masters degree from the University of Montreal in 1946 and the PhD from Harvard University in 1948, with W. V. Quine as his thesis advisor. He was a faculty member at Bryn Mawr College from 1948 until 1967; he then moved to Temple University, where he remained until retirement in 1992. Professor Leblanc was a Fulbright Fellow in 1953–54 and held a Guggenheim Fellowship in 1965–66, and he received honorary doctoral degrees from the University of Montreal and Dalhousie University. He served on the ASL Executive Committee and as ASL Treasurer.
- ASL BOOK PUBLISHING. The ASL is beginning a book publishing program, to be carried out in cooperation with A K Peters, Ltd., which will coordinate production and handle marketing and sales. This will include a continuation of the *Lecture Notes in Logic* series. The first book published will be *Logic Colloquium '98*, a proceedings volume from the 1998 ASL European Summer Meeting, held in Prague, Czech Republic. This book is edited by Sam Buss, Petr Hájek, and Pavel Pudlák and will appear at the end of 1999 within the *LNL*

series. This 550-page book will cost $40 in paper cover and $85 in hard cover, discounted 20% for ASL individual members and for all registered participants in the meeting.

As a service to the logic community, the existing stock of Volumes 1 and 3–12 in the *Lecture Notes in Logic* series (previously published in cooperation with Springer-Verlag) is being made available at a price that covers only the costs of shipping, administration, handling, and postage. This price will apply as long as the existing stock lasts. The charge for each book is $20.00 ($15.00 for individual ASL members); it covers all shipping and handling costs. Payment should be by Visa or MasterCard credit card or by check in US dollars. Orders should be sent to: ASL Business Office, 1409 West Green Street, Urbana, Illinois 61801 USA; email: `asl@math.uiuc.edu`. Shipment will be by ordinary mail (surface mail to overseas addresses). All books are softcover. A full list of Volumes 1–12 of *LNL* can be found at the ASL web site: `www.aslonline.org` and elsewhere in this issue.

The Editorial Board for the *Lecture Notes in Logic* includes Sam Buss, Managing Editor, Lance Fortnow, Shaughan Lavine, Steffen Lempp, Anand Pillay, and W. Hugh Woodin. Authors who wish to submit manuscripts for publication in this series should contact the Managing Editor: Sam Buss, Department of Mathematics, University of California at San Diego, La Jolla, California 92093-0112; email: `sbuss@ucsd.edu`; or one of the other editors.

C. Ward Henson has been appointed ASL Publisher; in this new position he will oversee the business and administrative aspects of ASL journal and book publishing. He has asked to step down as Secretary-Treasurer and a search for a replacement is underway.

- Student Travel Grants: The 2000 Annual Meeting and the 2000 European Summer Meeting. The ASL will make available travel grants to graduate students in logic and (for the European Summer Meeting only) to recent PhDs so that they may attend the 2000 ASL Annual Meeting at the University of Illinois at Urbana-Champaign, or the 2000 ASL European Summer Meeting in Paris, France; 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. 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 and to citizens and permanent residents of the USA. Air travel paid for using NSF funds must be on a US airline.

  For the 2000 ASL Annual Meeting, applications and recommendations should be received before the deadline of February 15, 2000, by the Program Chair: Carl Jockusch, Department of Mathematics, University of Illinois, 1409 West Green Street, Urbana, Illinois 61801; email: `jockusch@math.uiuc.edu`.

  For the 2000 ASL European Summer Meeting, applications should be received before the deadline of March 31, 2000, by the Organizing Committee; they should be sent by email to: `lc2000-robot@logique.jussieu.fr`, by Fax to +33 1 44 27 61 48, or by mail to LC2000, UFR de Mathématiques, case 7012, Université Paris 7 – Denis Diderot, 2 place Jussieu, 75251 Paris, Cédex 05, France. In addition, recommendation letters should be sent to the Program Chair: Carol Wood, Department of Mathematics, Wesleyan University, Middletown, Connecticut 06459; email: `cwood@wesleyan.edu`.

  For both meetings, application by email is encouraged.

- WMY 2000. ASL meetings in 2000 are part of World Mathematical Year 2000, a special international program organized by the International Mathematical Union to celebrate the future of mathematics. For more information about WMY 2000 see their web site at: `http://wmy2000.math.jussieu.fr/`.

- The 1999–2000 ASL Winter Meeting. *January 21–23, 2000, Washington, DC.* This meeting will be held in conjunction with the annual meeting of the American Mathematical Society, January 19–22, 2000. Invited speakers in the ASL meeting include T. Carlson, D. van Dalen, B. Hart, S. Kripke, and J. Remmel. Talks will start at 9:00 on Friday, January 21. In addition to the traditional two-day program, there there will be a post-joint-meetings session at George Washington University (GWU) on Sunday, January 23, with all talks completed by 1:00. This session, co-sponsored by George Washington University, features the following special sessions: Computable Model Theory (V. Harizanov); Ramsey Theory (J. Larson, M. Scheepers); and The Brouwer-Hilbert Foundational Controversy (C. Posy). GWU, the Marriott Hotel, and Reagan (formerly Washington) National Airport are on the Washington Metro line, which operates from 8:00 am to midnight on Sunday. GWU is on the way from the Marriott to the Airport; it is located behind the State Department, a few blocks from the White House, and is near the Kennedy Center and the Smithsonian Institute. The Program Committee of the ASL meeting consists of V. Harizanov, J. Larson, Chair, C. Laskowski, C. Posy, and M. Scheepers. The AMS web page for this meeting is at `http://www.ams.org/amsmtgs/2026_intro.html`; a preregistration form and hotel information are available there. Information from the Program Committee may be found on the Web at: `http://www.math.ufl.edu/~jal/asl/DC2000.html`.

- The 2000 ASL Annual Meeting. *June 3–7, 2000, University of Illinois at Urbana-Champaign.* This meeting is being organized to have a special impact on the future of logic, in recognition of the new millennium. It will be a day longer than usual and, in addition to the usual features of an ASL annual meeting, it will include panel discussions on the topics: "The Development of Logic in the 20th Century", "The Prospects for Mathematical Logic in the 21st Century", and "Does Mathematics Need New Axioms?". The University of Illinois and the Institute for Mathematics and Its Applications will provide financial support for these panel discussions. Invited hour addresses will be given by I. Neeman, M. Rathjen, D. Scott, W. Sieg, R. Soare, A. Wigderson, and A. Wilkie. The Eleventh Annual Gödel Lecture will be given by Jon Barwise. D. Marker will give a two-hour tutorial on model theory. There will be special sessions on Model Theory (D. Haskell and S. Starchenko), Computability Theory (S. Lempp and M. Lerman), Set Theory (G. Hjorth and A. Kanamori), Proof Theory and Complexity (J. Avigad and T. Pitassi), Constructivism and Categorical Logic (S. Awodey), and Philosophy of Mathematics (M. Hallett and W. Tait). The members of the Program Committee are J. Avigad, M. Davis, Y. Gurevich, M. Hallett, D. Haskell, G. Hjorth, C. Jockusch, Chair, A. Kanamori, H. J. Keisler, V. McGee, T. Pitassi, S. Starchenko, and W. Tait. The members of the Local Organizing Committee are L. van den Dries, C. W. Henson, C. G. Jockusch, and A. Pillay. Further information may be obtained from 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`.

  Abstracts of contributed talks from ASL members should be received before the deadline of January 15, 2000, by the ASL office (`asl@math.uiuc.edu`; ASL, 1409 West Green Street, Urbana, Illinois 61801). Abstracts must satisfy the Rules for Abstracts given below.

- The 2000 ASL European Summer Meeting (Logic Colloquium 2000). *July 23–31, 2000, Paris, France.* This meeting is being organized to have a special impact on the future of logic, in recognition of the new millennium. Registration will take place during the morning of Sunday, July 23, 2000, and lectures will begin that same afternoon. The program will include four tutorials: J. Longley (realisability and computability of higher-order functionals), E. Bouscaren (geometry and logic), L. Blum and S. Smale (complexity and real computation), and W. H. Woodin (the continuum hypothesis). Other invited speakers include P. Aczel, J. Barwise, S. Buss, M. Davis, P. deRouilhan, I. Farah, M. Hallett, L. Harrington, R. Heck, W. Hodges, M. Hofmann, G. Jäger, Y. Lafont, R. Laver, A. Macintyre, D. Marker, D. Martin, P. Shor, T. Slaman, O. Spinas, S. Starchenko, M. Zeman, and B. Zil'ber. These lectures will be grouped into the following topics: proof theory and logical foundations of computer science, set theory, model theory, computability and complexity, history of logic in the 20th century, and philosophy and logic applied to cognitive science, and there will be a symposium on the foundations of mathematics around 1900.

The Program Committee includes D. Andler, C. Berline, B. Cooper, D. van Dalen, A. Kanamori, C. Parsons, A. Razborov, H. Schwichtenberg, J. Steel, S. Todorčević, A. Wilkie, and C. Wood, Chair. The Local Organizing Committee includes C. Berline, Z. Chatzidakis, R. Cori, M. Dickmann, J. Dubucs, J.-B. Joinet, D. Lascar, J. Mosconi, M.-H. Mourgues, C. Mulhrad-Grief, L. Pacholski, J.-P. Ressayre, B. Veličković, and F. Ville.

Registration fees: 1200 FF (185 Euros) up to March 31, 2000; 1500 FF (230 Euros) thereafter; Students, 50% reduction (proof of student status mandatory). Low-price accommodations will be available in the Cité Universitaire Internationale and in smaller university residences. The Cité Universitaire Internationale is located on Boulevard Jourdan, at the south edge of Paris (14 ème arrondissement, Métro Cité Universitaire). Public transportation, including a direct metro line to the Sorbonne, is easily available in the vicinity. Room prices vary between 100 FF and 250 FF per night. The organizing committee hopes to obtain reduced prices in some hotels. Reservations, including deposit payment, should be made by the end of March 2000.

Abstracts of contributed talks must be received by the deadline of March 31, 2000; they should be sent by email to `lc2000-robot@logique.jussieu.fr`, by Fax to +33 1 44 27 61 48, or by mail to LC2000, UFR de Mathématiques, case 7012, Université Paris 7 – Denis Diderot, 2 place Jussieu, 75251 Paris Cédex 05, France. Further information may be obtained from these addresses or at the meeting web site: `http://lc2000.logique.jussieu.fr`. Abstracts submitted by ASL members will be published in *The Bulletin of Symbolic Logic*, but they must satisfy the Rules for Abstracts given below. For further information see: `http://lc2000.logique.jussieu.fr`.

- Rules for Abstracts. Please note that abstracts of contributed talks at ASL meetings (including those submitted "by title") *must* follow these rules; abstracts which do not conform to these requirements will be returned immediately to the authors submitting them. Revised abstracts which do follow these rules will be considered if they are received by the announced deadline.

Abstracts of contributed talks 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 by ordinary mail or in a *plain text* email message. Electronically submitted abstracts should be either plain text or in PostScript format; special word processor files (MS-Word, WordPerfect, etc.) will not be accepted. Abstracts that are produced using TeX should be fully processed by the author and submitted as a PostScript file. Care should be taken that abstract files attached to an email message are included as *plain text* and not in some coded format.

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 immediately after receipt; no changes other than corrections of typesetting errors may be made.

For ASL meetings in North America, at least one author of each contributed abstract must be an ASL member; this does not apply to the ASL European Summer Meeting. Abstracts are published as part of the meeting report in *The Bulletin of Symbolic Logic* only if at least one author is a member of the ASL at the time the report is sent for publication. Each set of authors may submit only one abstract to each ASL meeting.

- Second World Congress on Paraconsistency (WCP'2000). *May 10–13, 2000, Campinas, SP, Brazil.* Further information may be obtained from: Organizing Committee of WCP'2000, CLE - State University of Campinas - UNICAMP, C.P. 6133, 13081-970 - Campinas, SP, Brazil; Fax: +55 19 289 3269; email: `wcp2000@cle.unicamp.br`; WWW: `http://logica.cle.unicamp.br/wcp/wcp2000.htm`. (ASL sponsored meeting.)
- Fifteenth Annual IEEE Symposium on Logic in Computer Science (LICS'2000). *June 26–29, 2000, Santa Barbara, California.* Workshop meeting areas will be available for one-day workshops on Sunday, June 25, and two-day workshops Thursday and Friday, June 29 and 30. Accommodations will be available for LICS attendees and workshop participants beginning the afternoon of Saturday, June 24. For further information: `http://www.bell-labs.com/topic/conferences/lics/`. (ASL sponsored meeting.)
- 2000 Annual Conference of the Australasian Association for Logic. *June 29–July 2, 2000, Maroochydore, Queensland, Australia.* This meeting will take place at the University of the Sunshine Coast, Maroochydore DC, Queensland 4558 Australia. The convenor of the meeting is Professor Lesley Roberts of the Philosophy Department of that University. (ASL sponsored meeting.)
- International Conference on Theoretical Computer Science (IFIP TCS 2000). *August 17–19, 2000, Sendai, Japan.* Plenary invited speakers include M. Abadi, M. Hagiya, and M. Sudan. Other invited speakers include E. Mayr, S. Tezuka, M. Yannakakis, T. Henzinger, N. Kobayashi, G. Plotkin, and M. Rabin. Deadline for submission: January 28, 2000. For further information, send email to: `TCS2000@ito.ecei.tohoku.ac.jp`; WWW: `http://tcs2000.ito.ecei.tohoku.ac.jp/tcs2000.html`. (ASL sponsored meeting.)
- Finite Model Theory (second edition). Authors: H.-D. Ebbinghaus and J. Flum. (Perspectives in Mathematical Logic, Springer-Verlag, 1999, 360 pages, softcover, ISBN 3-540-65758-4) For the second edition, the original text has been thoroughly revised and extended; in particular, a new chapter has been added which is devoted to a central open problem of finite model theory, namely the question whether there is a natural logic capturing PTIME on unordered structures. The bibliography and the bibliographic references at the end of each chapter have been enlarged considerably. ASL members receive a 30% discount on books in the *Perspectives* series.
- Handbook of Computability. Editor: E. R. Griffor. (Studies in Logic and the Foundations of Mathematics, Volume 140, Elsevier Science, 1999, 740 pages, hardcover, ISBN 0-444-89882-4, $149.50) A special offer to ASL members entitles them to a 30% discount. Send orders to: Elsevier Science, P.O. Box 882, New York, New York 10159-0882; telephone: 888-437-4636 (toll free for customers in the USA and Canada); Fax: 212-633-3680; email: `usinfo-f@elsevier.com`.
- Handbook of Proof Theory. Editor: Sam Buss. (Studies in Logic and Foundations of Mathematics, Volume 137, Elsevier Science, 1998, 822 pages, hardcover, ISBN 0-444-89840-9, $161) A special offer to ASL members entitles them to a 30% discount. Send orders to: Elsevier Science, P.O. Box 822, New York, New York 10159-0882; telephone: 888-437-4636

(toll free for customers in the USA and Canada); Fax: 212-633-3680; email: uninfo-f@elsevier.com; WWW: http://www.elsevier.nl/locate/isbn/0444898409.

- Proceedings of Logic Colloquium '97. Editors: S. Barry Cooper and John K. Truss. Two volumes in the London Mathematical Society Lecture Notes series, published by Cambridge University Press. *Models and Computability.* Invited Papers from Logic Colloquium '97 - European Meeting of the Association for Symbolic Logic, Leeds, July 1997. (London Mathematical Society Lecture Notes, Cambridge University Press, 1999, 430 pages, paperback, ISBN 0-521-63550-0, $49.95) *Sets and Proofs.* Invited Papers from Logic Colloquium '97 - European Meeting of the Association for Symbolic Logic, Leeds, July 1997. (London Mathematical Society Lecture Notes, Cambridge University Press, 1999, 446 pages, paperback, ISBN 0-521-63549-7, $49.95) WWW: http://www.cup.com.

- Second Annual Pittsburgh Graduate Philosophy Conference. *March 17–19, 2000, Pittsburgh, Pennsylvania.* The organizing committee seeks papers from graduate students at all levels on any topic in philosophy. Submissions should not exceed 7,500 words. Accepted authors will be invited to speak at the conference, in presentations lasting 30–35 minutes with additional time for questions. Please submit two double-spaced copies of your paper, with your name and other identifying information appearing only on a separate sheet along with your address, affiliation, and a short abstract, to the following address: Chris Smeenk, Department of History and Philosophy of Science, 1017 Cathedral of Learning, Pittsburgh, Pennsylvania 15260. Papers must be postmarked by January 5, 2000. Papers may also be submitted electronically (as PostScript documents) to the following email address: cjsst35+@pitt.edu. WWW: http://www.andrew.cmu.edu/org/conference.

- Latin American Theoretical Informatics (LATIN'2000). *April 10–14, 2000, Punta del Este, Uruguay.* Professor Gaston Gonnet, Institut für Wissenschaftliches Rechnen, ETH Zentrum IFW D 28.1, 8092 Zurich, Switzerland; WWW: http://www.fing.edu.uy/~latin.

- International Conference on Automated Deduction (CADE-17). *June 17–20, 2000, Pittsburgh, Pennsylvania.* Deadline for submission of contributed papers: January 15, 2000. WWW: http://www.research.att.com/conf/cade.

- International Workshop on First-Order Theorem Proving. *July 3–5, 2000, St Andrews, Scotland.* Deadline for submission of contributed papers: April 2, 2000. WWW: http://www.uni-koblenz.de/ftp00/.

- Tableaux 2000 and FTP 2000. *July 3–7, 2000, St. Andrews, Scotland.* Tableaux 2000, on Automated Reasoning and Analytic Tableaux and Related Methods, will be held July 4–7, 2000; the submission deadlines are December 1, 1999 (for papers) and January 19, 2000 (for the theorem provers comparison). WWW: http://www.dcs.st-and.ac.uk/~tab2000/. The International Workshop on First-Order Theorem Proving, FPT 2000, will be held July 3–5, 2000; the submission deadline is April 2, 2000. WWW: http://www.uni-koblenz.de/ftp00/.

- Tableaux Non Classical Systems Comparison (TANCS 2000) at the 7th International Conference on Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX). *July 4–7, 2000, St Andrews, Scotland.* Deadline for submission of contributed papers: January 19, 2000. WWW: http://www.dis.uniromal.it/~tancs.

- 6th Barcelona Logic Meeting. *July 6–8, 2000, Barcelona, Spain.* Contributed papers should be submitted by the deadline of April 1, 2000, to Centre de Recerca Matemàtica (CRM), Apartat 50, 08193 Bellaterra (Barcelona), Spain; email: crm@crm.es; WWW: http://www.crm.es.

- Eleventh International Conference on Rewriting Techniques and Applications. *July 10–12, 2000, University of East Anglia, Norwich, U.K.*. Deadline for submission of contributed papers: January 15, 2000. WWW: `http://www.sys.uea.ac.uk/RTA2000/`.

- Conference on Computer Aided Verification (CAV 2000). *July 15–19, 2000, Chicago, Illinois.* Deadline for submission of contributed papers: January 15, 2000. WWW: `http://www.cs.utexas.edu/users/cav2k/`.

- First International Conference on Computational Logic (CL2000). *July 24–28, 2000, Imperial College, London, U.K.*. Deadline for submission of contributed papers: February 1, 2000. WWW: `http://www.doc.ic.ac.uk/cl2000`.

- Annual Conference of the European Association for Computer Science Logic (CSL 2000). *August 21–26, 2000, Fischbachau/Munich, Germany.* Deadline for submission of contributed papers: January 31, 2000. WWW: `http://www.tcs.informatik.uni-muenchen.de/csl2000/`; email: `csl2000-org@tcs.informatik.uni-muenchen.de`.

- Advances in Modal Logic: International Conference on Temporal Logic 2000. *October 4–7, 2000, University of Leipzig, Germany.* Deadline for submission of contributed papers: May 15, 2000. WWW: `http://www.illc.uva.nl/~mdr/AiML/`; email: `wolter@informatik.uni-leipzig.de`.

- Genealogy Project of PhDs in Mathematics. Professor Harry B. Coonce of Mankato State University, Minnesota, has begun an Internet-based project to construct a complete genealogy of all PhD recipients in mathematics. The currently available tree can be consulted at: `http://hcoonce.math.mankato.msus.edu` and Professor Coonce seeks help from all interested persons in making the database complete.

- Logic at the Open Directory Project. As the Web grows, automated search engines and directories with small editorial staffs will be unable to cope with the number of sites. The goal of the Open Directory Project (ODP) is to produce the most comprehensive directory of the Web, by relying on a vast army of volunteer editors. The category on Mathematical Logic is currently being edited by Hans Scheuermann at Freiburg University and Richard Zach at the University of California, Berkeley, and it already contains 300 links. You can help make this a valuable resource for the logic community by submitting links to web sites that would be of interest to researchers, students, and the general public. Meeting announcements, personal pages containing substantive information, educational resources, etc., are welcome. To submit a site, go to `http://dmoz.org/Science/Math/Logic/`, go to the most appropriate subcategory, and then click on "add URL." (You may first want to do a search to check if your site is already listed.) For more information about the ODP, see `http://dmoz.org/about.html`.

- New Server for Abstracts in Logic. Sy Friedman (Institute for Logic, University of Vienna) announces that there is now a new way for logicians to communicate new results and abstracts of papers. Subscription is free of charge, and enables you to make submissions, search the database, and receive weekly updates of new entries. This system is for abstracts only, not articles. Inspired by Bill Mitchell's eprint server that previously operated at the University of Florida, the new system exists thanks to the efforts of Boris Piwinger of the University of Vienna. Submissions from all areas of logic are invited. This is a Web-based system, at `http://www.logic.univie.ac.at/abstract/`.

- 1999 Kleene Award. The Kleene Award for the LICS'99 best student paper was given to Matthias Ruhl (MIT) for his paper entitled "Counting and Addition Cannot Express Deterministic Transitive Closure."

- NEW LICS URLS. Home page: `http://logik.mathematik.uni-freiburg.de/lics/`; US-Mirror: `http://www.cs.bell-labs.com/who/libkin/lics/`; email: `lics-request@logik.mathematik.uni-freiburg.de`.
- UNDERGRADUATE ESSAY PRIZE. The Advanced Reasoning Forum and Wadsworth Publishing Company announce the establishment of an annual undergraduate essay prize of $250 on the history and philosophy of computablity. The topic of the prize is broadly the subject matter of the second edition of *Computability: Computable Functions, Logic, and the Foundations of Mathematics* and *Computability and Undecidability: A Timeline* by Richard L. Epstein and Walter A. Carnielli (published as a single volume by Wadsworth, ISBN 0534546447, $25). Closing date for the first award is January 15, 2001. Full details of the conditions of entry may be found on the Wadsworth web site: `http://philosophy.wadsworth.com/epstein_comput2e`.
- THEORY OF FORMAL LANGUAGES WITH APPLICATIONS. Authors: Dan Simovici and Richard L. Tenney. (World Scientific, 1999, 644 pages, ISBN 981-02-3729-4, $86) WWW: `http://www.wspc.com.sg/books/compsci/3991.html`.
- SELECTED LOGIC PAPERS. Author: Gerald E. Sacks. (World Scientific, 1999, 452 pages, ISBN 981-02-3267-5, $78) WWW: `http://www.wspc.com.sg/books/mathematics/3598.html`.
- CUT ELIMINATION IN CATEGORIES. Author: Kosta Dosen. A monograph in categorical proof theory. (Trends in Logic, Volume 6, Kluwer Academic Publishers, 1999, xii+229 pages, hardbound, ISBN 0-7923-5720-5)
- TERM REWRITING AND ALL THAT. Authors: Franz Baader and Tobias Nipkow. (Cambridge University Press, 1999, 314 pages, softcover, ISBN 0-521-77920-0, 16.95 UK pounds)
- PROCEEDINGS OF THE SIXTH ASIAN LOGIC CONFERENCE, BEIJING, CHINA, MAY 20–24, 1996. Editors: C. T. Chong, Q. Feng, D. Ding, Q. Huang, and M. Yasugi. (World Scientific, 1998, 368 pages, softcover, ISBN 981-02-3432-5, $68) WWW: `http://www.worldscientific.com`.
- DELTA: A PARADOX LOGIC. Author: N. S. Hellerstein. (Series on Knots and Everything, Vol. 16, World Scientific, 1998, 288 pages, ISBN 981-02-3243-8, $42) WWW: `http://www.worldscientific.com`.
- DIAMOND: A PARADOX LOGIC. Author: N. S. Hellerstein. (Series on Knots and Everything, Vol. 14, World Scientific, 1997, 272 pages, ISBN 981-02-2850-3, $38) WWW: `http://www.worldscientific.com`.
- TOOLS AND TECHNIQUES IN MODAL LOGIC. Author: Marcus Kracht. (Studies in Logic, Vol. 142, Elsevier Science Publishers, Amsterdam, 1999, xiii+559 pages, hardcover, ISBN 0-444-50055-3)
- MODEL THEORY. Author: Maria Manzano. English translation from the Spanish original by Ruy de Queiroz. (Oxford Logic Guides, Vol. 37, Clarendon Press, Oxford, April 1999, xxiii+239 pages, hardcover, ISBN 0-19-85381-0, 39.95 UK pounds) WWW: `http://www1.oup.co.uk`.
- INSTRUCTOR'S MANUAL FOR SYNTACTIC THEORY: A FORMAL INTRODUCTION. Authors: Ivan A. Sag and Thomas Wasow. (CSLI Publications, Stanford University) This manual is now available on line at: `http://hpsg.stanford.edu/book/index.html`. The web site `http://csli-publications.stanford.edu/site/1575861607.html` gives detailed information about the textbook *Syntactic Theory*.