ASL NEWSLETTER   September 2025

- **The 2025 ASL Election.** At the end of this year the ASL will elect two at-large members of the ASL Executive Committee and two at-large members of the ASL Council. All terms are for three years beginning January 1, 2026. The ballot will be included as a pdf attachment to the electronic November ASL Newsletter, and also included along with hard copies of that Newsletter.

  Per the ASL Constitution, the ASL Executive Committee appointed a Nominating Committee to nominate candidates for these offices. The Nominating Committee consists of C. Brech, A. Dawar, J. Floyd, F. Liu, R. Solomon, S. Terwijn, and M. Viale.

  Other nominations for the positions available may be made by petition signed by 20 or more ASL members; such petitions should be received by the ASL Secretary-Treasurer (email asl@uconn.edu or ASL, Department of Mathematics, University of Connecticut, 341 Mansfield Road, U-1009, Storrs, CT 06269-1009, USA) no later than November 1, 2025. In a contested election, each candidate has the opportunity to make a 100-word statement to be distributed with the ballot.

- **2025 Sacks Prize.** The ASL invites nominations for the 2025 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2025. The Sacks Prize was established to honor the late 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://aslonline.org/other-information/prizes-and-awards/. Anyone who wishes to make a nomination for the 2025 Sacks Prize should consult the webpage http://aslonline.org/other-information/prizes-and-awards/sacks-prize-recipients/sacks-prize-nominations/ for the precise details of the application process. A brief summary of the procedure is provided here.

  Students who defend their dissertations (equivalent to the American doctoral dissertation) between October 1, 2024, and September 30, 2025, 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 advisor, and consist of: name of student, title and 1–2 page description of dissertation, date and location of the thesis defense, letter of recommendation from the advisor, an electronic copy of the thesis in pdf form, or the address of a website from which an electronic copy in pdf form can be downloaded, and an independent second letter of recommendation. Nominations and questions about the Prize should be sent to the Committee Chair, Jouko Väänänen; pdf files sent as attachments by email to jouko.vaananen@helsinki.fi are preferred. The form of such letters and other pertinent details can be found at the website above and need to be read prior to submitting a nomination.

  Those wishing to contribute to the Sacks Prize Fund may send contributions to the ASL Business Office (see address at the top of this Newsletter). All such contributions are tax-deductible within the USA.

- **Links to Articles.** For the convenience of our members, the e-mail edition of this Newsletter includes an attachment providing titles of many articles currently in press for the *Journal of Symbolic Logic*, *Review of Symbolic Logic*, and *Bulletin of Symbolic Logic*, along with active links for downloading them from our journal websites. The attachment is also available at https://aslonline.org/other-information/617-2/.

- **Open-Access Options for ASL Journals.** Authors of research articles in logic, who may wish to consider submitting those articles to the *Bulletin of Symbolic Logic*, the *Journal of Symbolic Logic*, or the *Review of Symbolic Logic*, should be aware that these journals now offer the option of open-access publication. Indeed, many universities now have contracts with Cambridge University Press, our publisher, that allow their researchers to publish open-access articles at no charge. These are often called *read-and-publish* or *transformative agreements*.

  All three journals are now hybrid. They still accept article submissions exactly as before, and they will still publish accepted articles just as before if the author does not opt for open access. However, for authors with mandates to publish open-access articles (or who simply prefer to do so), this option is also available. Details appear at `https://www.cambridge.org/core/services/open-access-policies`. To ascertain whether your university is among those with an agreement as described above, use `https://www.cambridge.org/core/services/open-access-policies/read-and-publish-agreements`.

- **ASL Sponsorship of Meetings.** The ASL often sponsors research meetings and conferences in logic, all over the world. Sponsorship is granted to those meetings that uphold high standards of scholarship and rigor and whose purpose is in concert with the mission of the ASL. Student members of the ASL may apply to the ASL for travel support to attend sponsored meetings, as described below, and a report on each sponsored meeting subsequently appears in the *Bulletin of Symbolic Logic*. Meeting organizers who are ASL members and wish to request ASL sponsorship of their meetings should do so at least five months before the beginning of the meeting, following the instructions at `http://aslonline.org/sponsorship-of-meetings/`.

- **Call for Conference Proposals.** The ASL Committee on Logic in North America requests proposals for the 2027 ASL North American Annual Meeting, to be held some time during the first five months of 2027. The committee seeks a university in North America and a local committee to host the meeting and handle the local arrangements. The ASL meetings ordinarily cycle geographically between midwest (Ames, IA 2024), west (Las Cruces, New Mexico 2025), and east (Philadelphia, PA 2026). Thus, for 2027, the committee seeks a location in the midwest. However, any reasonable proposal will be considered. For more information, interested parties should contact Dima Sinapova, the Committee Chair (email: `dima.sinapova@rutgers.edu`), ideally no later than September 30, 2025.

- **New Logic Journal.** We draw the attention of the logic community to a new academic journal, the *Zeitschrift für Mathematische Logik und Grundlagen der Mathematik*, launched by the Deutsche Vereinigung für Mathematische Logik und für Grundlagenforschung der Exakten Wissenschaften. Simultaneously, the DVMLG terminated its sponsorship of the *Mathematical Logic Quarterly*, previously published under its auspices by John Wiley & Sons. The new *ZML* will be an English-language diamond open access journal fully under the control of the academic community and not involving any commercial publishers. All papers will be freely published under Creative Commons licenses. The journal website, which includes an open letter from the editors, is `https://zml.international/`.

STUDENT TRAVEL AWARDS

- **Student Travel Awards: ASL and ASL-Sponsored Meetings.** Student members of the ASL may apply for travel grants to ASL and ASL-sponsored meetings, as identified in the listings below. To be considered for a travel award, please (1) send a letter of application, and (2) ask your thesis supervisor to send a short recommendation letter describing your progress as a student. 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; and (6) (voluntary) indication of your gender and minority status. Women and members of minority groups are strongly encouraged to apply. Application by email is encouraged; put "ASL travel application" in the subject line of your message.

  For all ASL and ASL-sponsored meetings other than the Logic Colloquium and the North American Annual Meeting, student membership in the ASL is a prerequisite for travel grant applications. These applications and

accompanying recommendations should be submitted via email to `asl@uconn.edu` or to the ASL Business Office (ASL, Dept. of Mathematics, Univ. of Connecticut, 341 Mansfield Road, U-1009, Storrs, CT 06269-1009, USA). They must be received at least three months prior to the start of the meeting. Decisions will be communicated at least two months prior to the meeting.

Official ASL meetings include the Logic Colloquium, the North American Annual Meeting, the Simposio Latino Americano de Lógica Matemática, the Asian Logic Conference, the ASL Winter Meeting, and the ASL-APA annual joint meeting. Many other logic meetings are sponsored by the ASL; a list of these appears below, followed by a further list of other upcoming meetings in logic.

It is hoped that NSF funding may be available for travel to the 2026 SLALM in Bogotá, Colombia (see page 3). If so, it would be available to researchers (including students) based in the USA. Anyone who is interested in this funding and sends an email to `Russell.Miller@qc.cuny.edu` to indicate their interest will be kept informed of the status of the grant proposal and the possible availability of this funding.

<div align="center">ASL MEETINGS</div>

- **Asian Logic Conference** *September 8–12, 2025, Kyoto, Japan.* The biennial Asian Logic Conference is planned to be held at Kyoto Sangyo University. The plenary speakers include A. Chernikov, S. Gao, F. Liu, T. Nemoto, K. Terui, and D. Turetsky. Special sessions will be held covering computability, model theory, philosophical logic, proof theory, and set theory. The Program Committee consists of M. Banerjee, L. Ding, N. Greenberg, T. Kihara, K.M. Ng, D. Raghavan, K. Sano, K. Takeuchi, T. Usuba, and K. Yokoyama (chair). The Organizing Committee consists of J. Brendle (co-chair), S. Katsumata, A. Kawamura, M. Kikuchi, H. Miyoshi (co-chair & local chair), and K. Yokoyama. For more information, please visit `https://www2.kobe-u.ac.jp/~brendle/alc2025/main.html`.

- **2026 ASL Winter Meeting (at JMM)** *January 4–7, 2026, Washington, DC, USA.* The 2025 ASL Winter Meeting will take place during the last two days of the 2026 Joint Mathematics Meetings, at the Washington Convention Center. The Program Committee consists of U. Andrews (chair), A. Block Gorman, and A. Shani. The invited speakers are F. Calderoni, D. Dzhafarov, G. Ervin, R. Moosa, J. Pi, and J. Zomback. The first two days of the JMM, January 4–5, will include the ASL Tutorial in Logic, presented by D. Haskell, and also the *ASL-AMS Special Session on Computability and its Applications*, organized by J. Franklin, V. Harizanov, and W. Calvert. A preliminary program for the Winter Meeting is attached to electronic copies of this Newsletter.

  To participate in either the ASL Winter Meeting or the events of the larger JMM, one must register for the entire Joint Mathematics Meetings, whose website is `https://jointmathematicsmeetings.org/jmm`. The deadline for submitting abstracts for ASL contributed talks was September 1, 2025. The deadline for student travel applications is October 4, 2025. Applications should be sent to Shannon Miller at `asl@uconn.edu`, following the rules on p. 2 above.

- **2026 ASL Winter Meeting (with APA)** *February 18–21, 2026, Chicago, IL, USA.* The 2025 APA Central Division Meeting will include the annual ASL-APA joint meeting. The website for the APA conference is `https://www.apaonline.org/mpage/2026central`, where registration is available. The ASL invited speakers are N. Barton, J. Chen, M. Łełyk, Ø. Linnebø, J. Walsh, and F. Zaffora Blando. A preliminary program is attached to electronic copies of this Newsletter. The Program Committee consists of A. Enayat, J.D. Hamkins, and S. Zhang. The deadline for submission of student travel award applications (see p. 2 above) is November 18, 2025: applications should be sent to Shannon Miller at `asl@uconn.edu`.

- **2026 Simposio Latino Americano de Lógica Matemática** *June 1-5, 2026, Bogotá, Colombia.* The twenty-first SLALM will be hosted by the Universidad de los Andes in Bogotá, the capital of Colombia. The Program Committee includes M. Busaniche, P. Cubides Kovacsics, L. del Carmen González Huesca, I. D'Ottaviano, R. Miller, E. Pimentel, R. Rodrigues (chair), R. Wassermann, and R. Zamora. The local organizers include A. Berenstein, P. Cubides Kovacsics, and A. Onshuus.

  As mentioned on page 2, it is hoped that NSF funding may be offered for the 2026 SLALM. If so, then under NSF rules it would be available to researchers (including students) based in the USA. Anyone who is interested in

this funding and sends an email to `Russell.Miller@qc.cuny.edu` to indicate their interest will be kept informed of the status of the grant proposal and the possible availability of this funding.

- **2026 North American Meeting** *July 19-22, 2026, Philadelphia, PA, USA.* The 2026 ASL North American Annual Meeting will be hosted by the University of Pennsylvania, to coincide with with the International Congress of Mathematicians, which begins on July 23 in Philadelphia. Notice that this is well after the usual time of year for this conference. The Program Committee consists of R. Alvir, P. Blanchette. J. Cummings, M. Malliaris, and A. Scedrov. The local organizers are A. Anderson, W. Ewald (co-chair), G. Japaridze, S. Lindell, S. Scedrov, V. Tannen, H. Towsner (co-chair), and S. Weinstein.

- **Rules for Abstracts.** The rules for abstracts of contributed talks at ASL meetings (including those submitted "by title") may be found at `aslonline.org/rules-for-abstracts/`. 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 who submitted them. Revised abstracts that follow the rules will be considered if they are received by the announced deadline.

ASL SPONSORED MEETINGS

- **Proof Society Summer School and Workshop** *September 1–5, 2025, Ghent, Belgium.* The 7th International School and Workshop on Proof Theory continues its tradition of uniting students, researchers, and practitioners to explore both the applied and foundational aspects of proof theory. A three-day summer school on September 1–3, with tutorials by A. Enayat, R. Jalali, H. Towsner, and A. Visser, will be followed by a two-day workshop on September 4–5 featuring invited lectures by T. Arai, J.P. Aguilera, I. van der Giessen, A. Setzer, and A. Beckmann, along with contributed talks. See `https://alpha-delta-chi.github.io/proof2025-website/` for more information.

- **Conference for Jörg Brendle's 60th birthday** *September 1–5, 2025, Kobe, Japan.* This conference is organized by D. Mejía, H. Minami, H. Sakai, and T. Yorioka, and will be held at Kobe University during the week immediately before the Asian Logic Conference in Kyoto (see above). Updated information is available at `https://sites.google.com/view/brendle60/`.

- **Young Set Theory 2025** *September 8-12, 2025, TU Wien, Vienna, Austria.* This meeting is aimed at young researchers in set theory, offering tutorials by J. Kennedy, C. Lambie-Hanson, P. Lücke, and F. Schlutzenberg, in addition to plenary talks by C. Agostini, B. De Bondt, A. Fatalini, S. Thei, and J. Zhang. Further details are available at `https://www.colloquium.co/yst2025`.

- **50 Years of Explicit Mathematics** *September 19–21, 2025, Tübingen, Germany.* This meeting commemorates the 50th anniversary of the first publication introducing "Explicit Mathematics," by Solomon Feferman. It will include a special session in memory of Wolfram Pohlers. The extensive list of confirmed speakers, along with further logistical information, is available at `https://uni-tuebingen.de/en/forschung/zentren-und-institute/carl-friedrich-von-weizsaecker-zentrum/news-und-events/conference-50-years-of-explicit-mathematics/`.

- **CICM & LSFA** *October 6–11, 2025, Brasilia, Brazil.* The 18th Conference on Intelligent Computer Mathematics (CICM 2025) and its satellite event, the 20th Symposium on Logical and Semantic Frameworks with Applications (LSFA 2025), will take place in Brasilia. Details are available at `https://cicm-conference.org/2025/cicm.php` and `https://lsfa-workshop.github.io/2025/`.

- **2025 Annual Meeting of the Australasian Association for Logic** *November 3–7, 2025, Brisbane, Australia.* The annual conference of the AAL will be held in a hybrid format, with its in-person activities at the University of Queensland. The invited speakers will include M. Jackson, A. Melnikov, A. Nies, and D. Pattinson, and the organizing committee consists of G. Badia, S. Rubin, T. Kowalski, and S. Standefer. Abstracts of contributed talks may be submitted until September 5, 2025. Please see the details available at `https://sites.google.com/view/aalogic/aal-conference-2025?authuser=0`.

CALENDAR OF OTHER MEETINGS

- **Journées sur les Arithmétiques Faibles (Weak Arithmetics Days)** *September 8–10, 2025, Prague, Czech Republic.* JAF 44 will be hosted by the institute of Mathemaics of the Czech Academy of Sciences. As always, it focuses on proofs in arithmetic with restricted axiom sets. Abstracts for contributed talks are due by June 2, and some travel support for students is available; see the details at `https://workshop.math.cas.cz/JAF44/`. To register, send email to Neil Thapen (`thapen@math.cas.cz`).

- **Polish Congress of Logic** *September 22–26, 2025, Toruń, Poland.* This meeting is to be hosted by the Nicolaus Copernicus University in Toruń. It will include workshops and symposia on Relating Logic; Mechanisms and Causes; Languages and Logics of Syllogistics; and Non-Fregean Logics. Further details will be available at `https://logika.net.pl/pcl/`.

- **Rutgers Logic Conference** *September 26–28, 2025, New Brunswick, NJ, USA.* Rutgers University will host its traditional Mid-Atlantic Mathematical Logic Seminar autumn meeting, organized by F. Calderoni and D. Sinapova. The invited speakers are T. Benhamou, W. Boney, Y. Duan, J. Freitag, V. Gitman, T. Slaman, H. Towsner, A. Tserunyan, and J. Walsh. The meeting will open on Friday afternoon and will close around mid-day on Sunday. Some travel support for students and young researchers is available through the NSF MAMLS grant: contact the organizers at `fc327@math.rutgers.edu` for details. Please register at `https://sites.math.rutgers.edu/~fc327/MAMLS2025/index.html`.

- **New England Recursion & Definability Seminar** *October 5, 2026, Storrs, CT, USA.* NERDS meets for one day, twice a year, with talks on computability theory, broadly interpreted. The Fall 2026 edition will be hosted by the University of Connecticut. Travel funding is available, especially for students and other researchers without their own funding; send email to `Russell.Miller@qc.cuny.edu` for details. The website for the meeting series is `http://nerds.math.uconn.edu`.

- **10th International Conference on Logic, Rationality and Interaction** *October 16-19, 2025, Xi'an, China.* The International LORI conference series aims at bringing together researchers working on a wide variety of logic-related topics that concern the understanding of rationality and interaction. The series also aims at fostering a view of logic as an interdisciplinary endeavour and supports the creation of an East Asian community of interdisciplinary researchers. LORI-10 will be held at Xi'an Jiaotong University in Xi'an, China, on October 16-19, 2025. The PC chairs are C. Shi and V. Goranko, and the organising committee chairs are W. Wang and X. Ding. For more detailed information and the call for papers, visit `http://golori.org/lori2025/`.

- **2026 Zagreb Logic Conference** *February 13–16, 2026, Zagreb, Croatia.* This meeting will gather researchers from logic across philosophy, mathematics, and computer science. The Program Committee is composed of P. Blanchette, V. Čačić (chair), Š. Dautović Kapetanović, Z. Iljazović, and A. Scedrov. The deadline for abstract submission is December 14, through the meeting website `https://zlc.math.hr/`. (ASL sponsorship pending.)

IN MEMORIAM

- **Peter B. Andrews (1937–2025)**

  Peter B. Andrews, an American mathematician and Professor Emeritus at Carnegie Mellon University, passed away on April 21, 2025, at the age of 87. Andrews was a leading figure in the theory and applications of higher-order logic and automated reasoning.

  Peter Andrews received his Ph.D. in Mathematics from Princeton University in 1964, where he was advised by the highly influential logician Alonzo Church. Andrews joined the Mathematics Department at Carnegie Mellon University in Pittsburgh in 1963 and remained there for 49 years, retiring in 2012.

  Andrews's research was motivated by a desire to develop tools that could enhance human reasoning with a vision for the eventual formalization of virtually all mathematical, scientific, and technical knowledge, as well as the development of automated reasoning tools to assist in managing this knowledge. He made progress on

this vision by focusing his work primarily on automated deduction within Church's version of higher-order logic based on the Simple Theory of Types.

A major achievement in his career was leading the development of TPS (Theorem Proving System), an automated theorem prover for higher-order classical logic. A subsystem, ETPS (Educational Theorem Proving System), was created to help students learn logic by interactively constructing natural deduction proofs. Andrews worked on this system with his research assistants from 1974 until his retirement.

Andrews also made significant contributions to the foundations of symbolic logic. He is notable for identifying a gap in Jacques Herbrand's proof of the eponymous Herbrand's theorem for first-order logic and corresponding with Burton Dreben about it. This collaboration led to a joint paper with Dreben and Stål Aanderaa in 1963, which provided a counterexample to a key lemma in Herbrand's proof. It was later discovered that Kurt Gödel had privately noted a similar error decades earlier, though he did not publish it. Andrews also noted an error in Leon Henkin's definition of general models for higher-order logic and provided a fix for it.

His book *An Introduction to Mathematical Logic and Type Theory: To Truth Through Proof*, praised for its clear and concise presentation of logic, is one of the few textbooks that covers both the syntactic and semantic sides of higher-order logic using Church's Simple Theory of Types.

In recognition of his significant contributions to automated deduction, Peter Andrews received the Herbrand Award in 2003. A Festschrift titled "Reasoning in Simple Type Theory" was published in 2008 in honor of his 70th birthday.

Peter is survived by his wife of nearly 40 years, Catherine Clair "Cate" Andrews, his sons, Lyle Andrews and Bruce (Tobi) Andrews, and his former wife, Linda Fitch. He will be missed.

OTHER ANNOUNCEMENTS (Also see `aslonline.org/announce/`.)

- **Ph.D. Abstracts in the *Bulletin of Symbolic Logic*.** Since 2018, the *Bulletin of Symbolic Logic* has published abstracts of recent Ph.D. theses in logic. Sandra Müller is the editor for this section of the *BSL*. Please visit `aslonline.org/journals/the-bulletin-of-symbolic-logic/` `logic-thesis-abstracts-in-the-bulletin-of-symbolic-logic/` for further information or to inform the editor of a newly completed dissertation.

The next newsletter will be mailed in November 2025. Items to be included should reach the Secretary-Treasurers or `asl@uconn.edu` by November 7, 2025.

Submitted by Russell Miller & Reed Solomon, co-Secretary-Treasurers.