ASL NEWSLETTER   September 2021

- **The 2021 ASL Election.** At the end of this year the ASL will elect its President, its Vice President, two members of the Executive Committee and two members of the Council. All terms are for three years beginning January 1, 2022. The 2021 Nominating Committee has nominated Phokion Kolaitis (Santa Cruz), the current Vice President, for President; Natasha Dobrinen (Denver) for Vice President; Christina Brech (São Paulo) and Valentina Harizanov (George Washington University) for the Executive Committee positions; and Bahareh Afshari (Gothenburg/Amsterdam) and Martin Ziegler (KAIST, South Korea) for the Council positions. The 2021 Nominating Committee consisted of Andrew Arana, Michael Benedikt, Alekos Kechris, Byunghan Kim, Ulrich Kohlenbach (chair), Penelope Maddy, Heike Mildenberger, Alf Onshuus Niño, Assaf Rinot, and Reed Solomon.

  Nominations for these positions, in addition to those made by the Committee, 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, 2021. In a contested election, each candidate has the opportunity to make a 100-word statement to be distributed with the ballot in November.

- **2021 Sacks Prize.** The ASL invites nominations for the 2021 Sacks Prize for the most outstanding doctoral dissertation in mathematical logic. Nominations must be received by September 30, 2021. 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 2021 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, 2020, and September 30, 2021, 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 of the thesis defense, letter of recommendation from the adviser, 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, Justin Moore; pdf files sent as attachments by email to justin@math.cornell.edu 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.

- **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. 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`.

- **Attachment: Links to Articles.** For some months during the current pandemic, Cambridge University Press was unable to maintain its usual schedule of printing and mailing ASL journals to our members. The mailing of journals has resumed and is catching up, but it will take time to work through the backlog. All journals remain available online to members as always, and the e-mail edition of this Newsletter will include an attachment (also available at `http://aslonline.org/wp-content/uploads/2021/09/Sept2021articlelinks.pdf`) in which we provide titles of many articles currently in press and active links for downloading them from our journal websites. CUP has apologized to the ASL Publisher for the delays, and requests that we all recognize the significant challenges posed by the pandemic.

- **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 six months before the beginning of the meeting, following the instructions at `http://aslonline.org/sponsorship-of-meetings/`.

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. 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. Application by email is encouraged; put "ASL travel application" in the subject line of your message.

    For ASL student member travel grants to the 2022 North American Annual Meeting, applications should be sent directly to the Program Chair, Jindrich Zapletal, by December 1, 2021, at `zapletal@ufl.edu`. For all ASL or ASL-sponsored meetings except the Logic Colloquium and the North American Annual Meeting, applications (from student members of the ASL) and recommendations must be received at least three months prior to the start of the meeting, via email to `asl@uconn.edu` or at the ASL Business Office (address at the top of this Newsletter). Decisions will be communicated at least two months prior to the meeting.

INFORMATION ON MEETINGS

- **Status of scheduled meetings.** Under the extraordinary circumstances of the coronavirus and the measures in place to combat it, many logic meetings scheduled for 2020 and 2021 have already been canceled, and it is likely that more may be canceled or postponed. Information appearing here is current as of the publication of this Newsletter, but ASL members should use the URL given in each item to confirm the status of any meeting they may consider attending. For completeness, the listings here include short items for canceled meetings.

    We urge all logicians to use caution and common sense in planning their schedules, and to avoid unnecessary travel during these unusual times.

- **Online logic seminars.** To replace canceled meetings and seminars, certain regular online logic seminars have sprung up. A list of existing seminar series with talks available online appears at `miguelmath.com/webminars.html`. Additionally, the site `lagrange.math.siu.edu/calvert/OnlineLogicSeminar.html` has been created to host a new, purely online logic seminar. The site `ctaseminar.computability.org` hosts an online seminar entitled *Computability Theory and Applications*. The Logic Supergroup at `logic.uconn.edu/supergroup/` runs an online seminar on logic across linguistics, mathematics, and philosophy. The website `nylogic.github.io/` lists ongoing seminars in logic and set theory organized by the CUNY Graduate Center.

ASL MEETINGS

- **2021 Asian Logic Conference canceled.** We regret that the Asian Logic Conference scheduled for 2021 has been canceled. The next Asian Logic Conference is scheduled to occur in 2023.

- **2021-22 ASL Winter Meeting (with Joint Mathematics Meetings)** *January 7–8, 2022, Seattle, WA.* As usual, the ASL Winter Meeting will be held as part of the Joint Mathematics Meetings (JMM), which is scheduled as an in-person meeting on January 5–8, 2022 in Seattle, WA. For the Winter Meeting, the invited speakers are J. Avigad (Carnegie Mellon), O. Ben-Neria (Hebrew University), P. Cholak (Notre Dame), F. Jahnke (Münster), S. Müller (TU Wien), L. Scow (Cal State San Bernardino), and E. Walsberg (UC Irvine). The first annual ASL tutorial at the JMM, "From noncommutative algebra to model theory - via Poisson algebras," will be given by Omar León Sánchez (Manchester). The Program Committee for the ASL-JMM meeting consists of D. Bartošová (Florida), K. Eisenträger (Penn State), J. Freitag (UIC, chair) and P. Hieronymi (UIUC).

    Beginning this year, the JMM will be organized primarily by the American Mathematical Society. The AMS has enlisted a number of partner organizations, including the ASL, to provide mathematical content and social events at the JMM. In addition to the ASL's own Winter Meeting on January 7–8, the JMM will include the ASL Special Session on the Model Theoretic Classification Program, organized by A. Chernikov (UCLA) and N. Ramsey (UCLA), as well as the tutorial described above.

    Student travel applications for this conference are due on October 7, 2021 and should be sent to Shannon Miller at `asl@uconn.edu`. The deadline for contributed abstracts is September 14, 2021. Abstracts should conform to the Rules for Abstracts (below) and should be sent to `asl@uconn.edu`. For more information, see `https://www.jointmathematicsmeetings.org//jmm`.

- **2022 ASL Winter Meeting (with APA)** *February 23-26, 2022, Chicago, IL.* The 2022 ASL-APA meeting will be held in conjunction with the Central Division of the APA, which is planned as an in-person meeting at the Palmer House Hilton in Chicago, IL. Information is available at `https://www.apaonline.org/events/EventDetails.aspx?id=1256298&group=`. The invited speakers for the ASL-APA meeting include T. Bays (Notre Dame), R. Cook (Minnesota), S. Ebels-Duggan (Northwestern), E. Nutting (Kansas), S. Shin (Yale) and M. Titelbaum (Wisconsin). The Program Committee consists of M. Rossberg and G. Sher (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 15, 2021, by email to `asl@uconn.edu`. The deadline for student travel award applications (see above) is November 23, 2021.

- **2022 ASL North American Annual Meeting.** *April 7–10, 2022, Cornell University, Ithaca, NY.* The 2022 North American ASL meeting will be held at Cornell University. It is planned as an in-person meeting. The Program Committee consists of W. Calvert, V. Kabanets, J. Moore, R. Patel, S. Shieh, and J. Zapletal (chair), while the Organizing Committee consists of R. Constable, H. Hodes, A. Kocurkek, D. Kozen, J. Moore (chair), A. Nerode and S. Solecki. The deadline for student travel award applications (see above) and for contributed talk submissions is December 1, 2021. Abstracts for contributed talks should conform to the Rules for Abstracts (below), and should be sent to `asl@uconn.edu`.

- **2022 Logic Colloquium (ASL European Summer Meeting).** *June 27 – July 1, 2022, Reykjavik, Iceland.* Logic Colloquium 2022 is planned as a hybrid meeting with substantial in-person attendance in Reykjavik, Iceland. Further details will be forthcoming soon.

- **Rules for Abstracts.** The rules for abstracts of contributed talks at ASL meetings (including those submitted "by title") may be found at `http://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

- **Panhellenic Logic Symposium** *July 14–18, 2021, Volos, Greece.* This meeting has been postponed to 2022. Please see `http://panhellenic-logic-symposium.org/13/` for further information.

- **27th Workshop on Logic, Language, Information and Computation 2021** *October 5–8, 2021, online.* WoLLIC is an annual international forum on inter-disciplinary research involving formal logic, computing and programming theory, and natural language and reasoning. WoLLIC 2021, which will be held as an online meeting, is organized by the Universidade de São Paulo and the Centro de Informática of the Universidade Federale de Pernambuco, in Brazil, and the University College London, in the UK. The deadline for submitted papers is May 15, 2021, and the website for the conference series is `wollic.org`.

- **Logical Foundations of Computer Science 2022** *January 10–13, 2022, Deerfield Beach, Florida.* This meeting is planned to be in-person, possibly supplemented with remote access to the talks. The LFCS series provides an outlet for the fast-growing body of work in the logical foundations of computer science, e.g., areas of fundamental theoretical logic related to computer science. Members of the Steering Committee for the LFCS series are A. Nerode (General Chair), S. Cook, D. van Dalen, Y. Matiyasevich, S. Buss, A. Scedrov, and D. Scott. The submission deadline for papers is September 12, 2021. For more information regarding LFCS 2022, please visit `https://lfcs.ws.gc.cuny.edu`.

CALENDAR OF OTHER MEETINGS

- **Sao Paulo School of Advanced Science on Contemporary Logic, Rationality, and Information** *July 13–24, 2020, University of Campinas, Brazil.* This School has been postponed, with no rescheduled date yet set. See `https://splogic.org/` for updates.

- **PhDs in Logic XII** *September 8–10, 2021, Berlin, Germany.* PhDs in Logic is an annual graduate conference organized by graduate students. The 2020 edition, postponed to 2021, will take place at the Freie Universität Berlin, Germany, and virtually. It is organized by local students from Berlin as well as students from Bochum and Munich. This interdisciplinary conference welcomes contributions to various topics in mathematical logic, philosophical logic, and logic in computer science. It involves tutorials (approximately 60-90 minutes) by established researchers as well as short presentations by PhD students, master students and first-year postdocs on their research. Confirmed invited speakers include M. Antonutti Marfori, C. Benzmüller, J. Bueno-Soler, H. Leitgeb, A. Steen, and P. Verdée. For more information, see `https://www.mi.fu-berlin.de/phdsinlogic2020/`.

IN MEMORIAM

- **In memoriam: Frank R. Drake (1937-2021)**

  With great sadness, we report that Frank Drake, set theorist and Founding Secretary of the British Logic Colloquium, passed away at home in Leeds on Sunday 16th May, 2021. His wife Verna and daughter Anne were with him.

  Frank was a lifelong mainstay of the Leeds Mathematical Logic Group. After national service and a Ph.D. in modal logic under Timothy Smiley at Cambridge, he was one of the early appointments, in 1962, to the emerging

group at Leeds University under Martin Loeb. In the summer of 1967 he attended the NSF Summer Institute at UCLA on Axiomatic Set Theory, where his interest in large cardinals was greatly stimulated. Back in Leeds he gave early graduate lectures on constructible sets and forcing, and in 1974 published a now-classic text: *Set Theory - an Introduction to Large Cardinals* (North Holland Studies in Logic and Foundations, volume 76). A later intermediate set theory textbook with D. Singh (Indian Institute of Technology), published by J. Wiley, was aimed at a more elementary level. His research work in set theory focussed on partition cardinals, where he introduced a hierarchy of Erdös cardinals, and early work on collapsing arguments in forcing.

In 1977 Frank was invited, by Robin Gandy and John Shepherdson, to become the first Hon. Secretary of the newly formed British Logic Colloquium, and he took on this responsibility with huge energy and efficiency, seeing to all the practical details of setting up the BLC, establishing its charitable status, etcetera. At the same time he held senior administrative posts in the Leeds School of Mathematics.

He remained, throughout his life, an internationally respected figure of British logic.

- **In memoriam: J. Michael Dunn (1941-2021)**

J. Michael Dunn, a major contributor in the area of non-classical logics, died on April 5, 2021 at the age of 79. Dunn was known for his work in relevance logic and algebraic logic, the relations between logic and computer science, as well as quantum logic and quantum computation. The monograph *J. Michael Dunn on Information Based Logics*, was published in 2016 by Springer as part of their *Outstanding Contributions to Logic* series.

Dunn was born on June 19, 1941 in Fort Wayne, Indiana. After receiving an undergraduate degree from Oberlin College, he did his graduate work at the University of Pittsburgh under the direction of Nuel Belnap. His 1966 doctoral thesis on De Morgan monoids laid the foundation for the algebraic analysis of relevance logics. Dunn taught at Wayne State University and Yale, before joining the Philosophy Department at Indiana University in 1969. He served as Professor of Philosophy, Informatics, and Computer Science there, and was the founding dean of the School of Informatics (later the Luddy School of Informatics, Computing, and Engineering). He retired from Indiana University in 2007 after 38 years there serving as professor, department chair, and in other administrative capacities.

Dunn served as president of the Society for Exact Philosophy and on the Executive Committee of the Association for Symbolic Logic. He was also an editor of the *Journal of Symbolic Logic* and chief editor of the *Journal of Philosophical Logic*. In 2010, he was elected as a fellow of the American Academy of Arts and Sciences.

Dunn published over 70 articles on logic, as well as six books as editor or co-author, including *Entailment Volume II*, co-authored with Alan Anderson and Nuel Belnap. In an autobiographical essay that appeared in the Springer *OCL* volume, he notes that "logic is one of those areas that cannot be neatly pigeonholed into the usual academic departments," which in part explains his involvement in many interdisciplinary collaborations. Of his own research, he says, "I had no grand research program. I have followed where the paths have led me. I was very fortunate to have had the teachers, colleagues, and students I have had. Information has been a common theme throughout much of my research, but it was never intended as a programmatic theme. That the concept of information turned out to be so useful in itself proves its importance, at least to me."

Professor Dunn is survived by his wife Sally and children Jon and Jennifer, as well as his grandchildren. His colleagues in the logic community remember him not just as an outstanding researcher, but also as a kind and generous friend.

- **In memoriam: Thomas Strahm (1965-2021)**

The logician Thomas Strahm, friend and colleague of many, passed away in the morning of April 26, 2021, after four years of suffering. His death was peaceful, but sudden and unexpected.

Thomas Strahm, born in Bern, obtained his PhD in 1996 at the University of Bern with a thesis entitled "On the Proof Theory of Applicative Theories." In this thesis he provided the foundations for explicit mathematics as a useful and powerful framework for so-called bounded systems that characterize various complexity classes. Thomas is well known for his many contributions to mathematical logic and theoretical computer science, more specifically, proof theory, explicit mathematics, higher type functionals in an applicative context, and applicative theories for computational complexity. He was one of the leading experts of explicit mathematics and made groundbreaking contributions to the metapredicativity program and the unfolding of theories.

In addition to his many important research contributions, Thomas was deeply committed to the teaching of logic and theoretical computer science at all levels. His students loved his courses. And those who had the privilege of having Thomas as thesis supervisor were always in a "safe haven" and could count on his full support.

The center of Thomas' research and teaching was the University of Bern, but he spent extended research stays at the Mathematical Institute of the Czech Academy of Sciences in Prague, Stanford University, the Mittag-Leffler Institute of the Royal Swedish Academy of Sciences in Stockholm, and the University of Swansea. He was president of the Swiss Society for Logic and Philosophy of Sciences (SSLPS) from 2010 to 2013. He also served as an editor of the *Journal of Symbolic Logic* for many years.

In 1998 Thomas Strahm's research was honored by the Theodor-Kocher-Prize, and in 2001 he was awarded the Haller medal of the University of Bern. In 2019 he was recognized by the university for outstanding achievements in teaching.

But most important of all: Thomas was a good and empathetic colleague with a wide range of interests who always had an open ear for everyone. He was a very positive character who never lost his courage and confidence, even during his serious illness. He will be missed very much.

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

- **Ph.D. Abstracts in the Bulletin of Symbolic Logic.** The *Bulletin of Symbolic Logic* publishes abstracts of recent Ph.D. theses in logic. Christian Rosendal is the editor for this section of the *BSL*. For further information, or to inform the editor of a newly completed dissertation, visit `http://aslonline.org/journals/the-bulletin-of-symbolic-logic/logic-thesis-abstracts-in-the-bulletin-of-symbolic-logic/`.

- **Free Individual ASL Membership Program for Individuals in Developing Economies.** The ASL invites applications for an initial two-year free membership in the Association for new and lapsed members from countries classified as developing economies. The list, found at `http://aslonline.org/membership/world-bank-list-as-of-october-2020-for-2021-memberships/` includes Brazil, Bulgaria, Colombia, India, South Africa, and many other countries classified as "upper middle income" or below on the World Bank's annual list for four of the last five years. To apply, please send an email to the ASL Committee on Membership at `asl-membership@googlegroups.com`. Include your name, full mailing address, and your academic affiliation. For information about the ASL and membership benefits, visit `http://aslonline.org/membership/individual-membership/`. After the initial two-year period new members under this program will pay the reduced membership dues, US$18 for 2021, as long as their country of residence is on the ASL's list of developing economies.

- **Reduced Dues for Individuals and Institutions in Developing Economies.** The ASL offers reduced dues for individuals and institutions in developing economies. For 2021, the reduced dues are US$18 for individuals and US$130 for institutional basic membership, US$180 for institutional full membership. These dues apply to individuals and institutions in countries whose economies are classified as "upper middle income" or below on the World Bank's annual list for four of the last five years. For more information, visit `http://aslonline.org/membership/individual-membership/` or contact the ASL Business Office (address in the Newsletter masthead).

- **Emeritus and Retired ASL Individual Membership.** The ASL offers retired individual members two membership options. Emeritus membership includes all the privileges of regular individual membership and is available to retired individuals who have been members of the ASL for 15 years. The dues for Emeritus membership for 2021 are US$51. The privileges attached to Retired membership include the ASL newsletter and the right to vote in ASL elections, but do not include subscriptions to the ASL journals. Retired membership is offered to retired individuals who have been members of the Association for 20 years and is free. For more information about both options, visit `http://aslonline.org/membership/`.

The next newsletter will be mailed in November 2021. Items to be included should reach the Secretary-Treasurers or `asl@uconn.edu` by November 8, 2021.

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