

THE JOURNAL OF SYMBOLIC LOGIC (ISSN print: 0022–4812, ISSN online: 1943–5886) is published quarterly, in the months of March, June, September, and December, by the Association for Symbolic Logic, Inc., Department of Mathematics, University of Connecticut, 341 Mansfield Road, U-1009, Storrs, CT 06269-1009, USA. Periodicals postage is paid at Storrs CT and at additional mailing offices. The JOURNAL is distributed with THE BULLETIN OF SYMBOLIC LOGIC. The 2019 annual subscription price for the two journals, in either print or electronic form, is US\$929 or £583; the print/electronic bundle prices are \$1035 or £650: visit <http://cambridge.org/bsl> for more information. **Postmaster:** Send address changes to **Journals Customer Services Department, Cambridge University Press, One Liberty Plaza, New York, NY 10006, USA.** Business correspondence should be sent to the Secretary-Treasurers of the Association, Russell Miller and David Solomon (address below).

Subscription orders for the JOURNAL and BULLETIN, or REVIEW should be sent to subscriptions.newyork@cambridge.org. All orders must be accompanied by payment by check, credit card (Visa, MasterCard, JCB or American Express only), or debit card. To receive a replacement copy of the JOURNAL, please report damaged, defective or missing issues within nine months of the date of publication.

All back volumes of the JOURNAL are available: volumes 1 through 74 are via JSTOR; volumes 1 through 83 via Cambridge University Press, <http://journals.cambridge.org/jsl> – access to the latter is free to members. Volume 26 is an index for Volumes 1–26, and Number 4 of Volume 45 is an index for Volumes 27–45. Number 4 of Volume 55 is a cumulative index for Volumes 27–55 (it includes the index published in Volume 45, Number 4, except for listings of reviews by subject, which has been discontinued). A revised edition of **A Bibliography of Symbolic Logic**, by Alonzo Church, may be purchased separately. Members of the Association may purchase back volumes for their personal use at a 50% discount. The discount also applies to institutional members. Orders should be sent to **Cambridge University Press**, address above. Reviews of articles and books in logic which in the past were published in the JOURNAL have been moved to the BULLETIN, beginning with the March 2000 issue.

*Individual* membership in the Association is open to anyone interested in its work. Annual dues for members are US\$102, £78 sterling or €85 (\$51, £39 sterling or €43 for student, emeritus and unemployed members; see <http://www.aslonline.org/membership-individual.html> for more information, including conditions and privileges). Dues include subscriptions to the current volumes of the JOURNAL, the BULLETIN, and the REVIEW.

*Institutional* membership in the Association is available to any academic institution or department. Annual institutional membership dues for 2019 are US\$1200 (full) or \$790 (basic); privileges include choices of current subscriptions, back volumes, and student memberships.

Requests for information, applications for *new* membership, renewals of institutional membership, business correspondence, and notices or announcements for publication in the BULLETIN should be sent to **ASL, Department of Mathematics, University of Connecticut, 341 Mansfield Road, U-1009, Storrs, CT 06269-1009, USA.** The electronic mail address of the Association's business office is [asl@uconn.edu](mailto:asl@uconn.edu). Requests for back issues should be sent to Cambridge University Press, address above.

Individual membership *renewals*, notices of change of address, and dues payments, should be sent to **Association for Symbolic Logic, c/o Journals Customer Services Department, Cambridge University Press, One Liberty Plaza, New York, NY 10006, USA,** [USmemberservices@cambridge.org](mailto:USmemberservices@cambridge.org).

The paper used in the JOURNAL is acid-free and falls within the guidelines established to ensure permanence and stability.

The JOURNAL has been registered with the Copyright Clearance Center, Inc. The appearance of a code at the bottom of the first page of an article indicates the copyright owner's consent for copying beyond that permitted by Sections 107 or 108 of the US Copyright Law, provided that the per-copy fee stated in the code is paid directly to **Copyright Clearance Center Inc., 222 Rosewood Drive, Danvers, MA 01923, USA.** This consent does not extend to copying for general distribution, for advertising or promotion purposes, for creating new collective works, or for resale. Specific written permission for such copying must be obtained from the Association.

**Cambridge Core**

For further information about this journal  
please go to the journal web site at:  
[cambridge.org/jsl](https://www.cambridge.org/jsl)

**CAMBRIDGE**  
UNIVERSITY PRESS