Introducing Modern Logic

The new international journal **Modern Logic** is intended to serve as a vehicle for the rapid publication of high-quality historical studies and expository surveys of nineteenth and twentieth century mathematical logic, set theory, and foundations of mathematics. We shall strive to represent every major area of mathematical logic, including model theory, recursion theory, algebraic logic and Boolean algebras, general set theory and point-set theory, proof theory and constructive mathematics. Topics are defined broadly, to include the connections of logic and set theory with such related areas as universal algebra, lattice theory and ordered sets, combinatorics, category theory, foundations of analysis, topology, and computer science.

Historical studies which extend the knowledge of specialists, which provide historical background to contemporary researchers in logic who are not specialists in the history of logic, or which present new interpretations of materials already available are all welcome. These goals are not necessarily mutually exclusive, and **Modern Logic** will therefore consider both original historical research and historical surveys. As a service to the community, we will also publish research bibliographies, reviews of books on the history of logic and books which have had significant impact on the development of logic, as well as reviews of collections of the works of leading logicians, and previously unpublished or newly discovered writings of logicians that are of historical interest. To this same purpose, we will also publish news and announcements of special interest.

Expository surveys of recent and contemporary research in the specialized subfields of logic and closely related areas are also welcome. The goals of these studies may be to provide to researchers working in other various specialized subfields an overview of the work surveyed, to summarize the most important new and recent results in these areas, for possible use in their own work by colleagues who may not be familiar with those results, or in general to provide a unified and coherent understanding of contemporary work in mathematical logic as a discipline.

Papers will be accepted in Dutch, English, French, German, Italian, Polish, Russian, and Spanish. In exceptional cases, papers in Portuguese or Japanese may also be considered. Authors are also asked to include a descriptive summary or abstract (not to exceed one page in length) in at least one other of these languages, preferably English, French, German, or Russian. (To ensure that topics of proposed contributions are suitable, prospective authors may prefer to submit extended abstracts for approval prior to submitting complete manuscripts and are encouraged to do so if they wish.)

Our policy is to provide a source for the most expeditious publication possible at the lowest possible cost to subscribers. This places the primary duty for the careful preparation of manuscripts upon the individual authors. We therefore request that authors submit camera-ready contributions in hard copy (paper, in triplicate) or in electronic form to the most appropriate Editorial Board Member. This also means that the technology used in preparation of manuscripts can vary widely from author to author; as a result, the quality and appearance of contributions to **Modern Logic** will not necessarily be uniform. Authors are also responsible for the careful proofreading of their own work, as neither editorial board members nor referees are required or expected to act as proofreaders or type-setters, and referees may request editors to return to their authors any papers requiring editorial corrections. In keeping with our

policy of providing a forum for high quality contributions, all submissions will be refereed, and decisions will be made on the basis of scholarly quality and historical accuracy. It is our policy that all refereeing decisions shall be carried out in timely fashion. Wherever feasible, decisions will therefore be made within three months of receipt of contributions by the appropriate editorial board member, and that authors shall receive detailed referees' reports explaining the decision. We hope to establish **Modern Logic** as a quarterly journal, and anticipate that contributions will be published within six to twelve months of their acceptance for publication.

In summary, **Modern Logic** seeks to provide a unique service to research logicians and historians of logic by providing an organ for rapid, low-cost, communication between historians of logic and research logicians, and between the various specialties of modern mathematical logic. We hope that the accessibility, excellence, timeliness, and low cost of our journal will reward our readers and amply compensate for any lack of uniformity in the physical appearance of contributions resulting from the various technologies employed by our authors.

<u>Formatting requirements for submissions.</u> A separate title page, which includes the name(s) and address(es) of the author(s), should be submitted. This is to be followed on a separate page by at least one descriptive summary or abstract, no longer than one page, preferably in either English, French, German, or Russian. A list of all appropriate AMS (MOS) subject classifications should be included with the abstract. Authors may include additional abstracts in other languages of their choice, each no longer than one page. It is preferred that the text be single-spaced, using the best quality 12-point fonts available.

Reproduction of manuscripts by a photographic process requires that all contributions, and especially those submitted in hard copy (paper), should be prepared with a printed area not exceeding 15.5 x 23 cm. (6 x 9 inches), with a left-hand margin of 4 cm. ($1^1/2$ inches) and with the remaining margins being at least 2.5 cm. (1 inch). Pages should not be permanently numbered by the authors, since pagination will be provided by the journal; instead, authors should write page numbers *in pencil only* on the blank verso of their manuscript.

Irving H. Anellis

Editor