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The BULLETIN contains addresses presented by invitation at meetings of the Society and reviews of books on advanced mathematics. 1978 is the last year of publication in this form.

In 1979 Volume 1 of the BULLETIN of the American Mathematical Society – New Series will be published. It will contain articles of the following types.

Research-Expository Papers. These are by definition papers which present a clear and insightful exposition of significant aspects of contemporary mathematical research. Obituaries, Gibbs lectures and retiring presidential addresses will be included in this section. Manuscripts should be submitted to Professor Felix Browder, Department of Mathematics, University of Chicago, 5734 University Avenue, Chicago, Illinois 60637.

Research Announcements. The purpose of this department is to provide quick publication of new and significant results of interest to mathematicians. Collectively the editorial board for research announcements will choose approximately fifteen papers for each issue of the BULLETIN. The deadlines for submission are August 15 for the January issue, October 1 for the March issue, December 1 for the May issue, February 1 for the July issue, April 1 for the September issue and June 1 for the November issue. Announcements are limited to 125 typed lines of 70 spaces each. Authors should send five copies of each manuscript (to speed the decision process) to I. M. Singer, Executive Editor for Research Announcements, Department of Mathematics, Evans Hall, University of California, Berkeley, California 94720. Authors are requested to include an introductory paragraph intelligible to the nonexpert stating the nature and significance of their results. Sketches and/or ideas of proof must be included.

Reviews of Books on Advanced Mathematics. Book Reviews and any other communication concerning the BULLETIN should be sent to the Managing Editor, Professor Paul R. Halmos, Department of Mathematics, Indiana University, Bloomington, Indiana 47401.

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BULLETIN of the American Mathematical Society is being transformed during 1978 into the BULLETIN of the American Mathematical Society–New Series, which will begin volume 1 in January 1979. The two principal new features of the transformed BULLETIN will be: a continuing series of research-expository papers and the research announcements–new series. By the decision of the Council of the American Mathematical Society taken during its meetings of April 1977, August 1977, and January 1978, the BULLETIN–New Series will contain research expository papers (including obituary articles, Gibbs lectures, and retiring presidential addresses), book reviews, and a new series of research announcements under the direction and control of its own special editorial board. The new BULLETIN will continue to be a privilege of membership in the Society. The publication of Research Announcements–New Series will begin in January 1979 and the deadline for submission of announcements for the January issue will be August 15, 1978.

The following two statements give a more precise description of the two new features of the BULLETIN.

RESEARCH ANNOUNCEMENTS–NEW SERIES

The purpose of this department is to provide quick publication of new and significant results of interest to mathematicians. An editorial board will collectively choose approximately fifteen papers for each issue of the Bulletin. The deadlines for submission are: August 15 for the January issue, October 1 for the March issue, December 1 for the May issue, February 1 for the July issue, April 1 for the September issue and June 1 for the November issue. Members of the editorial board are: I. Kaplansky, R. P. Langlands, R. K. Lashof, H. P. McKean, H. L. Montgomery, C. S. Morawetz, D. Mumford, G.-C. Rota, I. M. Singer (Chairman), and E. M. Stein. Announcements are limited to 125 typed lines of 70 spaces each. Authors should send five copies of their manuscript (to speed the decision process) to I. M. Singer, Research Announcements Editorial Board, Mathematics Department, Evans Hall, University of California, Berkeley, CA 94720. Authors are requested to include an introductory paragraph intelligible to the nonexpert stating the nature and significance of their results. Sketches and/or ideas of proof must be included.

RESEARCH-EXPOSITORY PAPERS

Research-expository papers are by definition papers which present a clear and insightful exposition of significant aspects of contemporary mathematical research. These expositions should be in such a form as to be accessible and of interest to mathematicians, advanced students, and mathematically educated persons who are not specialists in the fields being presented. They should give motivation for the developments presented, interesting examples and connections to other fields, and a clear logical development including all the basic definitions. The editorial board as a whole will be responsible for the choice of articles to be published and will take an active role in insuring the expository mathematical quality of the papers. Members of the editorial board are: L. Bers, F. E. Browder (Chairman), P. J. Cohen, M. L. Curtis, F. W. Gehring, D. S. Ornstein, J. B. Serrin, S. Smale, and J. T. Tate. Authors should send manuscripts to Professor Felix Browder, Department of Mathematics, University of Chicago, 5734 University Ave., Chicago, IL 60637.