ILLINOIS JOURNAL OF MATHEMATICS

A quarterly journal of basic research in pure and applied mathematics published since March 1957 by the University of Illinois, Urbana.

edited by

REINHOLD BAER ● J. L. DOOB ● A. H.
TAUB ● GEORGE W. WHITEHEAD
OSCAR ZARISKI

The subscription price is \$9.00 a volume (four numbers); this is reduced to \$5.00 for individual members of the American Mathematical Society. Subscriptions should be sent to the University of Illinois Press, 207 Administration East, Urbana, Illinois.

MATHEMATICS, ENGINEERING, PHYSICS and CHEMISTRY. Teaching, consulting at Robert College, Istanbul, Turkey, Live, travel in vital area, participate in graduate program development and planning of buildings and facilities, Challenge: to prepare engineers for varied and increasing technological development of Turkey and Middle East. Write Near East College Association, 40 Worth Street, Room 521, New York 13.

MEMOIRS 26

PRINCIPAL SOLUTIONS OF ORDINARY DIFFERENTIAL EQUATIONS IN THE COMPLEX DOMAIN

Ьy

WALTER STRODT

107 pp.

\$2.00

25% discount to members

AMERICAN MATHEMATICAL SOCIETY

190 Hope Street Providence, Rhode Island

A NEW expanded program for the translation and publication of four leading Russian physics journals. Published by the American

Institute of Physics with the cooperation and support of the National Science Foundation.

Soviet Physics—Technical Physics. A translation of the "Journal of Technical Physics" of the Academy of Sciences of the U.S.S.R. 12 issues per year, approximately 4,000 Russian pages. Annually, \$90.00 domestic.

Soviet Physics—Acoustics, A translation of the "Journal of Acoustics" of the Academy of Sciences of the U.S.S.R. Four issues per year, approximately 500 Russian pages. Annually, \$20.00 domestic. The 1955 issues of "Journal of Acoustics" U.S.S.R. will also be published. Will consist of two volumes, approximately 500 pages, and the subscription price will be \$20.00 for the set.

Soviet Physics—Doklady. A translation of the "Physics Section" of the Proceedings of the Academy of Sciences of the U.S.S.R. Six issues per year, approximately 900 Russian pages. Annually \$25.00 domestic.

Soviet Physics—JETP. A translation of the "Journal of Experimental and Theoretical Physics" of the Academy of Sciences of the U.S.S.R. Twelve issues per year, approximately 3,000 Russian pages. Annually \$75.00 domestic. Back issues of Volume I and II are available.

All journals are to be complete translations of their Russian counterparts. The number of pages to be published represents the best estimate based on all available information now at hand.

Translated by competent, qualified scientists, the publications will provide all research laboratories and libraries with accurate and up-to-date information of the results of research in the U.S.S.R.

Subscriptions should be addressed to the

AMERICAN INSTITUTE OF PHYSICS
335 East 45 Street New York 17, N.Y.

Journals Published by the

American Mathematical Society

Bulletin of the American Mathematical Society

This journal is the official organ of the Society. It reports official acts of the Society and the details of its meetings, with abstracts of all research papers presented. It contains some of the officially invited addresses presented before the Society, and reviews of advanced mathematical books.

The subscription price is \$7.00 per annual volume of six numbers.

Research Problems and Invited Addresses offered for publication should be sent to B. J. Pettis, Department of Mathematics, University of North Carolina, Chapel Hill, N. C.; Book Reviews to J. C. Oxtoby, Bryn Mawr College, Bryn Mawr, Pa. Research Announcements offered for publication should be sent to some member of the Council of the Society, and communicated by him to E. E. Moise, Department of Mathematics, University of Michigan, Ann Arbor, Mich. All other communications to the editors should be sent to the Managing Editor, J. C. Oxtoby.

Proceedings of the American Mathematical Society

This journal is devoted entirely to research in pure and applied mathematics

This journal is devoted entirely to research in pure and applied mathematics and is devoted principally to the publication of original papers of moderate length. The subscription price is \$11.00 per annual volume of six numbers.

Papers in algebra and number theory should be sent to Irving Kaplansky, Eckhart Hall, University of Chicago, Chicago 37, Ill.; in probability, real variables, logic and foundations to P. R. Halmos, Institute for Advanced Study, Princeton, New Jersey (until June 1, 1958; thereafter to Eckhart Hall, University of Chicago, Chicago 37, Ill.); in abstract analysis to either P. R. Halmos or Irving Kaplansky; in geometry and topology to Hans Samelson, Department of Mathematics, University of Michigan, Ann Arbor, Mich.; in other branches of analysis, applied mathematics, and all other fields to R. P. Boas, Lunt Building, Northwestern University, Evanston, Ill. All other communications to the editors should be addressed to the Managing Editor, Irving Kaplansky.

Transactions of the American Mathematical Society

This journal is devoted entirely to research in pure and applied mathematics, and includes in general longer papers than the PROCEEDINGS.

Three volumes of two numbers each will be published in 1958. The subscription

price is \$8.00 per volume.

Papers in geometry, differential equations and functions of complex variables should be sent to S. S. Chern, Department of Mathematics, Massachusetts Institute of Technology, Cambridge 37, Mass.; in algebra and number theory to A. H. CLIFfor history, Cambridge 37, Mass.; in algebra and fullifier theory to A. H. Clifford, Newcomb College, Tulane University, New Orleans 18, La.; in analysis (except for differential equations and functions of a complex variable), applied mathematics and probability to Mark Kac, White Hall, Cornell University, Ithaca, N. Y.; in topology, logic and foundations to Samuel Eilenberg, Hamilton Hall, Columbia University, New York 27, N. Y. All other communications to the editors should be addressed to the Managing Editor, Samuel Eilenberg.

Mathematical Reviews

This journal contains abstracts and reviews of the current mathematical literature of the world. It is sponsored by thirteen mathematical organizations, located both in the United States and abroad.

MATHEMATICAL REVIEWS is published monthly, excepting July. The subscription

price is \$35.00 per annual volume of eleven numbers.

Notices of the American Mathematical Society

This journal announces the programs of the meetings of the Society. It carries the abstracts of all contributed papers presented at the meetings of the Society and publishes news items of interest to mathematical scientists relating to fellowship opportunities, forthcoming conferences and symposia, new mathematical publications, backlogs of mathematical journals, etc. A personal items department lists changes in employment status of, and honors awarded to, members of the Society.

All communication should be addressed to the Editor, J. H. Curtiss, 190 Hope Street, Providence 6, Rhode Island. News items and insertions for each issue must

be in the hands of the editor on or before the deadline for the abstracts for the papers to be presented in the meetings announced in that issue. These deadlines are published

regularly on the inside front cover page.

Some Recent Publications of the Society

E. Hille and R. S. Phillips. Functional analysis and semi-groups. An enlarged and completely revised edition of Colloquium Volume 31, of the same title, by Hille.	\$13.80
J. L. Walsh. Interpolation and approximation. An enlarged and extensively revised edition of Colloquium Volume 20.	\$ 7.00
W. H. Gottschalk and G. A. Hedlund. Structure of rings topological dynamics. Colloquium Volume 37.	\$ 5.10
N. Jacobson. Structure of rings. Colloquium Volume 37.	\$ 7.70
C. Chevalley. Introduction to the theory of algebraic functions of one variable. Mathematical Surveys volume 6.	\$ 4.00
S. Begman. The kernel function and conformal mapping. Mathematical Surveys volume 5.	\$ 4.00
O. F. G. Schilling. The theory of valuations. Mathematical Surveys volume 4.	\$ 6.00
M. Marden. The geometry of the zeros of a polynomial in a complex domain. Mathematical Surveys volume 3.	\$ 5.00
J. A. Shohat and J. D. Tamarkin. The problem of moments. Mathematical Surveys volume 1.	\$ 3.35
Russian Translations. Volume 5. Eight papers on functional analysis and partial differential equations.	\$ 4.30
Russian Translations. Volume 6. Five papers on algebra and group theory.	\$ 5.20
Russian Translations. Volume 7. Two papers on homotopy theory of continuous mappings.	\$ 5.50
Ernst Snapper. Cohomology groups and genera of higher-dimentional fields. Memoir 28.	\$ 1.90
Emery Thomas. The generalized Pontrjagin cohomology operations and rings with divided powers. Memoir 27.	\$ 1.70
Walter Strodt. Principal solutions of ordinary differential equations in the complex domain. Memoir 26.	\$ 2.00
A. Erdélyi and C. A. Swanson. Asymptotic forms of Whittaker's confluent geometric functions. Memoir 25.	\$ 1.40
Isaac Namioka. Partially ordered linear topological spaces. Memoir 24.	\$ 1.60

The price to members of the American Mathematical Society is 25% less than list.

A complete catalog of publications will be sent upon request.

American Mathematical Society
190 Hope Street, Providence 12, Rhode Island