

## DOCTORATES CONFERRED IN 1960

The following are among those who received doctorates in the mathematical sciences and related subjects from universities in the United States and Canada during 1960. In each case when available, the university, the month in which the degree was conferred, minor subjects (other than mathematics), and title of dissertation are given. 309 names are listed.

R. H. Abraham, University of Michigan, June, *Discontinuities in general relativity*.

R. D. Adams, University of Minnesota, June, minor in Physics,  *$I_p$  density of solutions to parabolic and related equations on space time surfaces*.

Sidney Addelman, Iowa State University, November, *Fractional factorial plans*.

D. E. Amos, Oregon State College, June, minor in Chemical Engineering, *Application of the Wiener-Hopf technique to half plane diffraction of cylindrical waves*.

K. W. Anderson, University of Illinois, June, *Midpoint local uniform convexity, and other geometric properties of Banach spaces*.

M. A. Arkowitz, Cornell University, June, *The generalized Whitehead product*.

Michael Artin, Harvard University, June, *On Enriques' surfaces*.

H. R. Axelrod, New York University, June, minor in Biology, *Mathematical basis for solution of medical and dental biostatistical problems*.

A. E. Babbitt, Jr., Columbia University, June, *Finitely generated pathological extensions of difference fields*.

O. P. Bagai, University of British Columbia, May, *Multiple comparison methods and certain distributions arising in multivariate statistical analysis*.

R. E. Barlow, Stanford University, October, *Applications of semi-Markov processes to counter and reliability problems*.

B. H. Barnes, Michigan State University, December, *Structure of automata*.

L. E. Batson, University of Texas, January, minor in Physics, *On inversion of the Laplace transformation by means of a step-function*.

Sister Marion Beiter, Catholic University of America, February, minor in Physics, *Coefficients in the cyclotomic polynomial for a number with at most three distinct odd primes in its factorization*.

Geneva Grosz Belford, University of Illinois, June, minor in Physics, *Computer logic programs*.