

The following papers have been accepted for publication and will appear shortly:

BASSALI, W. A. Bending of an elastically restrained circular plate under a linearly varying load.

HILTON, P. J. Note on the higher Hopf invariants.

RIDLEY, E. CICELY. Approximate self-consistent fields for In^{+++} and Sb^{+++} .

DOUGLAS, A. S. On the Sturm-Liouville equation with two-point boundary conditions.

WILKES, M. V. Solution of linear algebraic and differential equations by the long division algorithm.

SINGH, V. N. A note on the partial sums of certain basic bilateral hypergeometric series.

SLATER, L. J. The real zeros of the confluent hypergeometric function.

ROTH, L. Irregular threefolds which possess anticanonical systems.

HALL, P. Finite-by-nilpotent groups.

DOMB, C. and FISHER, M. E. On iterative processes and functional equations.

LONGMAN, I. M. Note on a method for computation of infinite integrals of oscillating functions.

TEMPERLEY, H. N. V. A study of the irreversibility paradox for a simple statistical assembly.

PALMER, D. S. Properties of random variables.

RAGAB, F. M. Some formulae for the product of hypergeometric functions.

CONTENTS OF BIOLOGICAL REVIEWS

Vol. 31, Part 3. August 1956

ALWYN WILLIAMS. The calcareous shell of the brachiopoda and its importance to their classification.

B. J. KRIJGSMAN. Contractile and pacemaker mechanisms of the heart of tunicates.

IRMGARD ZIEGLER-GÜNDER. Pterine: Pigmente und Wirkstoffe im Tierreich.

J. S. KENNEDY. Phase transformation in locust biology.

CONTENTS

	PAGE
HIGMAN, GRAHAM. On finite groups of exponent five	381
DUGUID, A. M. and McLAIN, D. H. FC-nilpotent and FC-soluble groups	391
RHODES, F. A generalization of isometries of uniform spaces	399
WOODS, A. C. The anomaly of convex bodies	406
STONE, A. P. Some properties of Wigner coefficients and hyperspherical harmonics	424
STEEL, W. H. and WARD, JOAN Y. Incomplete Bessel and Struve functions	431
DAS, S. C. The numerical evaluation of a class of integrals. II	442
HAMMERSLEY, J. M. and MORTON, K. W. A new Monte Carlo technique: antithetic variates	449
HAMMERSLEY, J. M. and MAULDON, J. G. General principles of antithetic variates	476
HANNAN, E. J. Exact tests for serial correlation in vector processes	482
TAKÁCS, L. On a probability problem arising in the theory of counters	488
BROADBENT, S. R. A measure of dispersion applied to cosmic-ray and other problems	499
GUY, RICHARD K. and SMITH, CEDRIC A. B. The G -values of various games	514
GRUNDY, P. M. and SMITH, C. A. B. Disjunctive games with the last player losing	527
TAYLOR, J. C. Renormalization in meson theories	534
ROBERTSON, H. H. Phase calculations for nuclear scattering on the Pilot ACE	538
HEINE, V. The thermodynamics of bodies in static electromagnetic fields	546
PAPADOPOULOS, V. M. Scattering by a semi-infinite resistive strip of dominant-mode propagation in an infinite rectangular wave-guide	553
DE, S. C. Kinematic wave theory of bottlenecks of varying capacity	564
SHERCLIFF, J. A. Entry of conducting and non-conducting fluids in pipes	573
BASSALI, W. A. and DAWOUD, R. H. Bending of a circular plate with an eccentric circular patch symmetrically loaded with respect to its centre	584
RESEARCH NOTES:	
CORINALDESI, E. and ZIENAU, S. On an inequality for the momentum derivative of the scattering phase	599
RADO, R. Note on generalized inverses of matrices	600
HAMMOND SMITH, D. A note on complete hyperspaces	602
ADDENDUM:	
CASSELS, J. W. S. Bounds for the least solutions of homogeneous quadratic equations	604

*Printed in Great Britain at the University Press, Cambridge
(Brooke Crutchley, University Printer)*