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

EDWARDS, S. F. The interaction of alpha particles and the binding energy of Be^8.

ROBERTS, G. T. Topologies in vector lattices.

FOSTER, F. G. On Markov chains with an enumerable infinity of states.

COCKCROFT, W. H. On the homomorphisms of sequences.

JONES, D. S. Removal of an inconsistency in the theory of diffraction.

DRAZIN, M. P. and GRIFFITH, J. S. On the decimal representation of integers.

SMITH, R. A. On an equation connected with the theory of triode oscillations.

HILTON, P. J. The Hopf invariant and homotopy groups of spheres.

HEAD, J. W. The decomposition of functions.

AULUCK, F. C. and HASELGROVE, C. B. On Ingham's Tauberian theorem for partitions.

HAMILTON, J. Real and virtual processes in quantum electrodynamics.

SLATER, L. J. An integral of hypergeometric type.

MIKHAIL, F. I. The relativistic clock problem.

SAWYER, D. B. The number of non-homogeneous lattice points in n-dimensional point sets.

HAMMERSLEY, J. M. Tauberian theory for the asymptotic forms of statistical frequency functions.

MARCH, N. H. Thomas-Fermi fields for molecules with tetrahedral and octahedral symmetry.

HOGARTH, J. E. and McCREA, W. H. The relativistically rigid rod.

CONTENTS