It is intended that the October number (Volume 45, Part 4) shall contain approximately 200 pages instead of the usual 160.

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

PILLOW, A. F. The formation and growth of shock waves in the one-dimensional motion of a gas.

PITT, H. R. The definition of measure in function space.

COOMBS, A. Notes on the forces acting on a two-dimensional aerofoil in shear flow in the presence of a plane boundary.

Sewell, G. L. Energy levels of a particle on a field of given potential energy on relativistic and non-relativistic theories.

SEWELL, G. L. Stark effect for hydrogen atoms in the ground state.

DIANANDA, P. H. Notes on some properties of maximum likelihood estimates.

BARTLETT, M. S. and MOYAL, J. E. Exact transitional probabilities of quantum mechanical oscillators calculated by the phase-space method.

CARTWRIGHT, M. L. On non-linear differential equations of the second order.

FEATHER, N. The theory of counting experiments using pulsed sources: chance coincidences and counting-rate losses.

HAMBURGER, H. L. Remarks on the Dirac δ-operator.

OLDROYD, J. G. Rectilinear flow of non-Bingham plastic solids and non-Newtonian viscous liquids.

EDGE, W. L. The Kummer quartic and the tetrahedrons based on the Maschke forms.

NORTHCOTT, D. G. An inequality in the theory of arithmetic on algebraic varieties. (Two papers.)

LOMER, W. M. The forces between floating bubbles and a quantitative study of the Bragg 'bubble model' of a crystal.

DEWAR, M. J. S. A modification of the molecular orbital method: The LCMO method.

GÜRSEY, FEZA. Classical statistical mechanics of a rectilinear assembly.

HARTREE, D. R. The tabulation of Bessel functions for large argument.

ELIEZER, C. J. A note on electron theory.

HOPKINS, H. G. Elastic stability of infinite strips.

ELLIOTT, H. A. Axial symmetric stress distributions in aeltropic hexagonal crystals. The problem of the plane and related problems.

NORTHCOTT, D. G. The values taken by a rational function on an algebraic variety.

Howarth, L. Rayleigh's problem for a semi-infinite plate.

BRICKELL, F. On the existence of metric differential geometries based on the notion of area.

RUSTON, A. F. A short proof of a theorem on reflexive spaces.

Todd, J. A. The invariants of a finite collineation group in five dimensions.

PRIMROSE, E. J. F. Projective mutual invariants of a space cubic and a linear complex.

TODD, JOHN. The condition of a certain matrix.

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