INDEX

Ajayi, O. O., Sozou, C. & Pickering, W. M. Nonlinear fluid motions in a container due to the discharge of an electric current, 285–300

Akylas, T. R. & Demurger, J.-P. The effect of rigid rotation on the finite-amplitude stability of pipe flow at high Reynolds number, 193–205

Al-Zanaidi, M. A. & Hui, W. H. Turbulent air flow over water waves – a numerical study, 225–246

Anderson, J. L. *See* Prieve, Anderson, Ebel & Lowell

Aref, H. Dynamics of a vortex filament in a shear flow, 477–497

Arndt, R. E. A. *See* George, Beuther & Arndt

Berger, S. A. *See* Soh & Berger

Beuther, P. D. *See* George, Beuther & Arndt

Biesheuvel, A. & van Wijngaarden, L. Two-phase flow equations for a dilute dispersion of gas bubbles in liquid, 301–318

Biringen, S. Final stages of transition to turbulence in plane channel flow, 413–442

Branover, H., Mond, M., Pierson, E. S. & Walker, J. S. Magnetohydrodynamic Flows and Turbulence: a report on the Fourth Beer-Sheva Seminar, 461–476

Breidenthal, R. E. *See* Broadwell & Breidenthal

Broadwell, J. E. & Breidenthal, R. E. Structure and mixing of a transverse jet in incompressible flow, 405–412

Clements, R. M. *See* Topham, Clements & Smy

Demurger, J.-P. *See* Akylas & Demurger

Dimotakis, P. E. *See* Mungal & Dimotakis

Ebel, J. P. *See* Prieve, Anderson, Ebel & Lowell

Eriksson, L. *See* Rizzi & Eriksson

Flinchem, E. P. *See* Aref & Flinchem

George, W. K., Beuther, P. D. & Arndt, R. E. A. Pressure spectra in turbulent free shear flows, 155–191

Hui, W. H. *See* Al-Zanaidi & Hui

Itsweire, E. C. & Van Atta, C. W. Experimental investigation of coherent substructures associated with turbulent spots in a laminar boundary layer, 319–348

Janowitz, G. S. Lee waves in three-dimensional stratified flow, 97–108

Larraza, A. & Putterman, S. Theory of non-propagating surface-wave solitons, 443–449

Leal, L. G. *See* Ryskin & Leal

Lofquist, K. E. B. & Purtell, L. P. Drag on a sphere moving horizontally through a stratified liquid, 271–283

Lowell, M. E. *See* Prieve, Anderson, Ebel & Lowell

Madsen, P. A. *See* Svendsen & Madsen

Miles, J. W. Parametrically excited solitary waves, 451–460

Mond, M. *See* Branover, Mond, Pierson & Walker

Mungal, M. G. & Dimotakis, P. E. Mixing and combustion with low heat release in a turbulent shear layer, 349–382

Pickering, W. M. *See* Ajayi, Sozou & Pickering

Pierson, E. S. *See* Branover, Mond, Pierson & Walker

Prieve, D. C., Anderson, J. L., Ebel, J. P. & Lowell, M. E. Motion of a particle generated by chemical gradients. Part 2. Electrolytes, 247–269

Purtell, L. P. *See* Lofquist & Purtell

Putterman, S. *See* Larraza & Putterman

Rizzi, A. & Eriksson, L. Computation of flow around wings based on the Euler equations, 45–71

Ryskin, G. & Leal, L. G. Numerical solution of free-boundary problems in fluid mechanics. Part 1. The finite-difference technique, 1–17

Ryskin, G. & Leal, L. G. Numerical solution of free-boundary problems in fluid mechanics. Part 2. Buoyancy-driven motion of a gas bubble through a quiescent liquid, 19–35

Ryskin, G. & Leal, L. G. Numerical solution of free-boundary problems in fluid mechanics. Part 3. Bubble deformation in an axisymmetric straining flow, 37–43

Simon, M. J. & Ursell, F. Uniqueness in linearized two-dimensional water-wave problems, 137–154

Smy, P. R. *See* Topham, Clements & Smy

Soh, W. Y. & Berger, S. A. Laminar entrance flow in a curved pipe, 109–135

Sozou, C. *See* Ajayi, Sozou & Pickering

Svendsen, I. A. & Madsen, P. A. A turbulent bore on a beach, 73–96

Topham, D. R., Clements, R. M. & Smy, P. R. Turbulent mixing in a pulsed plasma-jet exhaust, 207–224

Ursell, F. *See* Simon & Ursell

Van Atta, C. W. *See* Itsweire & Van Atta

van Wijngaarden, L. *See* Biesheuvel & van Wijngaarden

Wa'ker, J. S. *See* Branover, Mond, Pierson & Walker

Yasuda, H. Longitudinal dispersion of matter due to the shear effect of steady and oscillatory currents, 383–403