

## Book review

**Annual review of fluid mechanics, Volume 9**, edited by M. Van Dyke, J. V. Wehausen and J. L. Lumley. Annual Reviews Inc., Palo Alto, California, USA, 1977, 509 pp., price \$ 17.50.

The series of Annual reviews of fluid mechanics has become an indispensable source of information for anyone working in the field. The 1977 volume contains the following contributions:

- Recollections from an earlier period in American aeronautics, by R. T. Jones,
- Steady non-viscometric flows of viscoelastic liquids, by A. C. Pipkin and R. I. Tanner,
- Compressible turbulent shear layers, by P. Bradshaw,
- On the liquidlike behavior of fluidized beds, by J. F. Davidson, D. Harrison and J. R. F. Guedes de Carvalho,
- History of boundary-layer theory, by I. Tani,
- Incompressible boundary-layer separation, by J. C. Williams, III,
- Bubble dynamics and cavitation, by M. S. Plesset and A. Prosperetti,
- Underwater explosions, by M. Holt,
- Hydrodynamics of the universe, Ya. B. Zel'dovich,
- Pulmonary fluid dynamics, by T. J. Pedley,
- Flow and transport in plants, by M. J. Canny,
- Particle capture from low-speed laminar flows, by L. A. Spielman,
- Electrokinetic effects with small particles, by D. A. Saville,
- Fluid mechanics of propulsion by cilia and flagella, by C. Brennen and H. Winet,
- Optimum wind-energy conversion systems, by U. Hütter,
- Finite-element methods in fluid mechanics, by S. Shen,
- Aeroacoustics, by J. E. Ffowcs Williams,
- Study in the unsteady aerodynamics of lifting surfaces using the computer, by S. M. Belotserkovskii.