Walter R. Blakeley, Calculus for Engineering Technology, John Wiley & Sons, Inc., New York, London, Sydney, 1968, xi + 441 p., price 79 sh.

It is refreshing to see a book on elementary calculus in which the main emphasis is laid on its "rapid use in engineering subjects". The physical problems are drawn from the electrical and the mechanical fields. The treatment of the subject is very lucid indeed. The book consists of nineteen chapters and it includes among others an introductory treatment of first-order differential equations, second-order differential equations, Laplace transforms and Fourier analysis. Transients in RL and RC circuits are given in appendix I while transients in RLC series circuits form the contents of appendix II. Numerous exercises are interspersed throughout the text and answers to odd-numbered exercises are provided. The engineering students (the students of electrical engineering in particular) will find this book a good introduction to calculus.

S. L. Sarin

Book Review

B. H. Chirgwin and C. Plumpton: Elementary classical hydrodynamics, Pergamon Press, Oxford, 1967.
viii + 224 p., price 39 sh. (Hard cover), 21 sh. (Flexi-cover)

This book is intended as an elementary introduction to the mechanics of inviscid fluids for first and second year undergraduates. It consists of six chapters: 1. Fundamental principles, 2. Some general theorems. 3. Potential flows, 4. Two-dimensional fluid motion, 5. Waves in liquids, 6. Compressible fluids - sound waves.

For the research scientist this booklet is of little value because the exposition of the theory is rather sketchy and superficial. Students may have some profit from the worked-out examples and exercises.

H. W. Hoogstraten