PREFACE TO SECOND EDITION

APART from a few very minor alterations, this second edition differs from the first only in the units, which are SI. In many cases the equivalent Imperial values are given alongside the SI figures, but that has not been overdone. In particular, only the SI unit of viscosity, the Pa s $\equiv$ Ns/m^2, is given, because it differs from the c.g.s. unit, the poise, merely by a factor of 10 (1 Pa s $\equiv$ 10 P); the Imperial and other units of dynamic viscosity are rarely seen in the technical literature and are not used at all in this new edition.

The special name pascal (Pa) has been used generally for the SI unit of pressure and stress, N/m^2; and the prefixes G (giga 10^9), M (mega 10^6), k (kilo 10^3), m (milli 10^{-3}), μ (micro 10^{-6}), n (nano 10^{-9}) and p (pico 10^{-12}) have been freely used.