transfer between surfaces, heat exchangers, latent heat transfer or sensible heat transfer, may be useful for engineers in the field and in research.

Among the book's shortcomings is the failure to give answers to the practice problems presented at the end of each chapter, especially for those requiring numerical computation. More importantly, no bibliography is given to which the reader may refer for further study. The only references which are made appear at the bottom of respective pages, where the authors document the origin of tables and graphs.

In sum, the book successfully combines an elementary but comprehensive exposition of heat transfer and the style of a practising engineer's handbook. It is this, together with the serious treatment of SI units, which makes the book original and attractive to a wide range of readers.

R. W. Lewis
Civil Engineering Department
University College, Swansea

Published, price £18.95, by Harper & Row Ltd, 28 Tavistock Street, London WC2E 7PN

Books received

Guide to Efficient Burner Operation: Gas, Oil and Dual Fuel, *E. A. Faulkner Jr.*, £30.60, Van Nostrand Reinhold

Content at level appropriate to technician/plant operator. Imperial units used throughout

Thermal Radiation Heat Transfer, Second Edition, *R. Siegel and R. Howell*, $32.00, 862pp, Hemisphere Publishing Corporation

Power Condenser Heat Transfer Technology: Computer Modeling, Design, Fouling, *ed. P. J. Marto and R. H. Nunn*, $47.50, pp 490, Hemisphere Publishing Corporation

Proceedings of a workshop 'Modern Developments in Marine Condensers' held in California in 1980. Each topic (computer modeling; non-condensable gasses; vapour shear and condensate inundation; enhancement; fouling) is treated in a keynote paper, prepared papers and recorded discussion and summaries.

Two-Phase Momentum, Heat and Mass Transfer in Chemical, Process, and Energy Engineering Systems, Volumes 1 and 2, *ed. F. Durst, G. V. Tsiklauri and N. H. Afgan* $119.00, pp 1079, Hemisphere Publishing Corporation

Two Volume post conference proceedings of seminar (Belgrade, September 1978) containing 74 papers. Subjects covered include: two-phase flow fundamentals; two-phase flow of rigid and deformable particles; non equilibrium phenomena; interface transport in liquid films; numerical studies of two phase flows; heat transfer and pressure drop in the power generator; mist flows, sprays, and dispersal bubble flows; two-phase and reactor safety; isothermal two-phase flows in chemical systems; heat and mass transfer in two-phase flow chemical systems.

Heat and Mass Transfer in Metallurgical Systems, *D. B. Spalding and N. H. Afgan*, $99.00, 758pp, Hemisphere Publishing Corporation

Heat Exchangers: Thermal-Hydraulic Fundamentals and Design, *S. Kakac, A. E. Bergles and F. Mayinger*, $95.00, 1131pp, Hemisphere Publishing Corporation

Thermodynamics and Gas Dynamics of Internal-combustion Engines, *R. W. Benson*, £55.00, 500pp, Oxford University Press

Advances in Fluid Mechanics, *ed. E. Krause*, DM 43 ($20.10), 361pp, Springer-Verlag

Advances in Heat Pipe Technology, *ed. D. A. Reay*, £42.00 ($100.00) 818pp, Pergamon Press Ltd

CALENDAR

ASME International '83 Bermuda Winter Symposium Modelling and Simulation	1–3 March 1983 Bermuda	Association for the Advancement of Modelling and Simulation Techniques in Enterprises, 16 Avenue de Grange Blanche, 69160 Tassin-la-Demi-Lune, France
International Conference on the Physical Modelling of Multi-phase Flow	19–21 March 1983 Coventry, UK	The Conference Organiser, BHRA Fluid Engineering, Cranfield, Bedford, UK, MK43 0AJ
ASME–JSME Thermal Engineering Joint Conference	20–24 March 1983 Honolulu, HI, USA	Professor W. J. Yang, Department of Mechanical Engineering and Applied Mechanics, University of Michigan, Ann Arbor, MI 48109, USA
28th Annual International Gas Turbine Conference	27–31 March 1983 Phoenix, AZ, USA	ASME, 345 East 47th Street, New York, NY 10017, USA
3rd Multiphase Flow and Heat Transfer Symposium-Workshop	18–20 April 1983 Miami Beach, FL, USA	3rd Multiphase Flow and Heat Transfer Symposium-Workshop, Clean Energy Research Institute, Univeristy of Miami, PO Box 248294, Coral Gables, FL 22124, USA
Flow Metering and Proving Techniques in the Offshore Oil Industry	11–12 May 1983 Aberdeen, UK	Institute of Measurement and Control, 20 Peel Street, London, UK, W8 7PD
CANCAM '83–International Conference of the Canadian Congress of Applied Mechanics	30 May–3 June 1983 Saskatoon, Canada	Mr Boris Maduke, Conference Secretary—CANCAM '83, College of Engineering, University of Saskatchewan, Saskatoon, Canada S7N 0W0