

BOOKSHELF

Physics of Magnetism and Magnetic Materials. K.H.J. Buschow and F.R. de Boer (Eds.). Kluwer Academic Publishers, Dordrecht, 2002, 190pp., US\$85.00, €87.00.

Encyclopedia of Nanoscience and Nanotechnology. Hari Singh Nalwa (Ed.). American Scientific Publishers, Stevenson Ranch, CA, 2003, Vol. 1 to 10, c. 6000pp., US\$5975.00.

This 10-volume encyclopaedia is a single reference source that provides introduction and overview of the recent advances and emerging new aspects of nanotechnology, spanning from science to engineering to medicine. The publication includes approximately 400 review chapters and hundreds of entries written by over 1000 leading scientists. The areas that are covered are: nanostructured materials, nanofabrication, nanoprobes, nanocomposites, fullerenes, nanorobotics and nanobiotechnology. The book is published both in print and online.

Schools of Mines: The Beginnings of Mining and Metallurgical Education. Fathi Habashi. Metallurgie Extractive Quebec, Sainte Foy, Quebec, 2003, 600pp., CAN\$80.00.

This book outlines the history of Schools of Mines, their teaching staff and graduates. These organizations formed the foundation for scientific and technical development in the minerals industry. The book has more than 600 pages illustrated with 350 figures, and maps. The book includes the history of 92 schools in 'Great European Empires', 'Other European Kingdoms' and in the Americas and the Far East.

Metals from Ores: An Introduction to Extractive Metallurgy. Fathi Habashi. Metallurgie Extractive Quebec, Sainte Foy, Quebec, 2003, 475pp., CAN\$80.00.

This book covers, in 475 pages (incorporating 215 illustrations, 50 of which are in colour) subjects such as what the metals are, how they are enriched by natural processes in the Earth's crust, how they are located by geophysicists, exploited by mining engineers, concentrated by mineral dressing engineers, and finally treated by extractive metallurgists to get pure metals for everyday life. The book also includes a short historical account, basic theory and an appendix giving a summary of the extraction scheme of each metal as well as a list of audiovisual documents related to metal extraction.