

New Books

J.D. GILCHRIST: EXTRACTION METALLURGY

A comprehensive preparatory textbook on the production of metals from their ores. For students of metallurgy and materials science. Chapter on ore-dressing techniques contains sections on magnetic and electrostatic separation.

Pergamon Press, March 1989, 442 pp, US\$27.00 (flexicover), US\$90.00 (hardcover).

J.A. FINCH AND G.S. DOBBY: COLUMN FLOTATION

The book covers both fundamental and applied aspects of column flotation. Illustrations, comprehensive glossary and nomenclature sections to assist newcomers to the field.

Pergamon Press, March 1990, 192 pp, US\$40.00

APPLIED MEASUREMENTS IN MINERAL & METALLURGICAL PROCESSING

Proceedings of the IFAC Workshop, South Africa, October 1988, Edited by G. Sommer.

The conference covered the application of measurements within steel, gold, platinum and diamond producing industries.

For researchers involved in the development and application of technology within the minerals and metallurgical industry.

Pergamon Press, June 1989, 158 pp, US\$55.00

B.A. WILLS: MINERAL PROCESSING TECHNOLOGY

Fourth edition of the book provides practicing engineers and students of mineral processing, metallurgy and mining with a review of the common ore-processing techniques utilized in modern installations. The book contains a chapter on magnetic and high-tension separation.

Pergamon Press, December 1987, 802 pp, US\$35.00 (flexicover), US\$94.00 (hardcover).

R.J. PARKER: ADVANCES IN PERMANENT MAGNETISM

A comprehensive treatment of permanent magnet technology and permanent magnet property systems with emphasis on new high-energy rare-earth magnets.

John Wiley & Sons, 1990, 350 pp, US\$76.60

FERROMAGNETIC MATERIALS

A handbook on properties of magnetically ordered substances, Volume 5.

Edited by K.H.J. Buschow and E.P. Wohlfarth.

The book contains chapters that deal with modern trends in magnetism and recent achievements in this area, e.g. magnetic superconductors, properties of rare-earth intermetallic compounds and transition metals and alloys.

North Holland, 1990, 604 pp, US\$143.50

V.D. HUNT: SUPERCONDUCTIVITY SOURCEBOOK

A comprehensive overview of this technology features more than 600 superconductivity-related definitions, acronyms and references. The book contains sections on market potential, commercialization, applications of superconductivity etc.

John Wiley & Sons, 1989, 318 pp, US\$42.20

J.D. DOSS: ENGINEER'S GUIDE TO HIGH-TEMPERATURE SUPER-CONDUCTIVITY

The handbook deals mainly with superconducting phenomena, applications and measurements.

John Wiley & Sons, 1989, 496 pp, US\$53.70

11TH INTERNATIONAL CONFERENCE ON MAGNET TECHNOLOGY

2 Volume set. Proceedings of the 11th International conference on Magnet Technology MT-11. Tsukuba, Japan, 28 Aug. - 1 Sept. 1989.

Edited by T. Sekiguchi and S. Shimamoto

Topics covered include the role of magnets in high-energy physics, fusion and electrical machinery, as well as material advances for magnet conductors and supporting structures.

Elsevier, 1990, 1540 pp, US\$324.00

MINING ANNUAL REVIEW 1990

Editorial information including country-by country breakdowns of minerals industries of over 120 individual countries, reviews of new developments in mineral exploration, mining, mineral and coal processing, extractive metallurgy and minerals industry software. Comprehensive indexes cover over 4000 companies, organizations and operations.

Mining Journal Ltd., 1990, 300+ pp, US\$76.00

METALS AND MINERALS ANNUAL REVIEW 1990

A review of metals and minerals supply and demand in over 60 individual articles under six major headings: precious metals and minerals, major metals, steel industry metals, speciality metals, industrial minerals and energy minerals.

Mining Journal Ltd., 1990, 140 pp, US\$26.25

M.H. SILK: WORLD CHROMITE RESOURCES AND FERRO-CHROMIUM PRODUCTION

The book traces the history of chromite discoveries from 1798 onwards, and presents a comprehensive geophysical- economic-geological study of the current situation in regard to the production of chromite and ferrochromium in each of the important countries involved in the world's chromium industry.

Council for Mineral Technology, Randburg, South Africa, 1988, 150 pp, US\$100.00

V.V. KARMAZIN AND V.I. KARMAZIN: MAGNETIC AND ELECTRICAL METHODS OF BENEFICIATION

Theory, techniques and technology of magnetic and electrical methods of beneficiation of ores are reviewed.

Design and specifications of magnetic and electrical separators, mainly of Soviet origin are shown. Practical aspects and economics of magnetic and electrical separation are discussed.

Nedra, Moscow, 1988, 304 pp., 0.95 Rb.