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The land-locked and geographically disadvantaged states' view' The Soviets' view; Industry's view; Technology transfers; Production ceilings; Canada and nickel; Zaire and cobalt; International consortia-membership, licensing, and investments; Conclusions; Notes; Chapter 4 Minerals of the deep seabed; Ferromanganese nodules and crusts; Manganese nodules; Morphology; Distribution; Nuclei and sedimentation; Accretion and mineral content; Ferromanganese crusts; Distribution; Accretion and metal content; Polymetallic sulphides; Divergent boundaries; Convergent boundaries; Transform boundaries Conclusions; Notes; Chapter 5 Technology and economics of deep seabed minerals; Exploration; Acoustical devices; Optical systems; Navigation systems; Other devices and techniques; Ferromanganese nodules; Mining; Processing; Economics of nodule production; Cobalt-rich crusts; The United States: a case study; Crust mining and processing; Environmental and socio-economic impacts; Benthic disturbance; Pelagic disturbance; Onshore waste disposal; Socio-economic impacts; Polymetallic sulphides in the Red Sea; Conclusions; Notes; Part Two: The continental margins; Introduction Chapter 6 Placers and subseabed metallics; Subseabed metallics; Placers; Dredging techniques and environmental constraints; Diamonds; Titanium; Platinum; Tin; South-east Asia; World tin market; United Kingdom; Gold; Conclusions; Notes; Chapter 7 Construction aggregates and industrial sand; Japan; Canada; United Kingdom; United States; Conclusions; Notes; Chapter 8 Industrial chemical materials and coal; Potash and barite; Calcium carbonates; Shells; Iceland; Brazil; United States; Coral; Coquina; Aragonite; Phosphorite; United States and Mexico; New Zealand; Future prospects; Sulphur; Coal; Chile

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Sommario/riassunto

During the past century, scientists, world statesmen, and international entrepreneurs have become increasingly aware of the potential of the oceans as a source of minerals. This book provides an authoritative picture of the current state of marine mineral extraction. A major work of reference, it will be essential reading for both those engaged in maritime studies and for professional organisations involved in the extraction of underwater minerals.

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