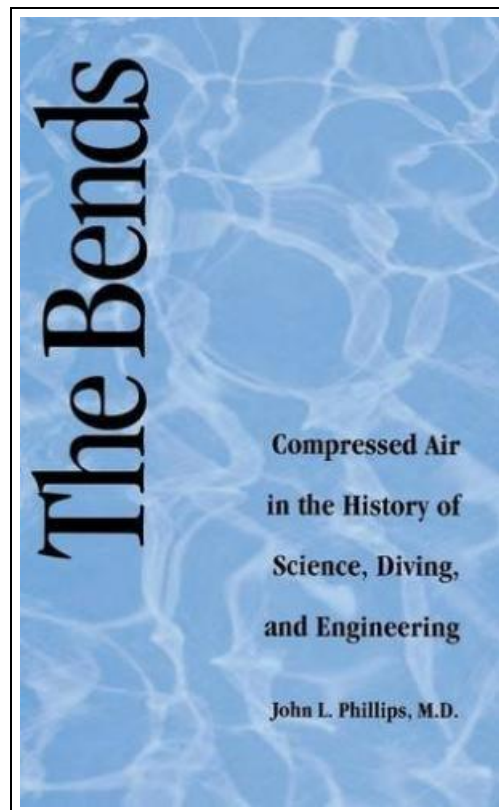


The Bends Compressed Air in the History of Science, Diving, and Engineering Architectural History and Criticism



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Reviews




Absolutely essential read through book. it was actually writtern quite properly and useful. Its been developed in an remarkably basic way and it is only following i finished reading through this ebook where really changed me, modify the way i believe.
(Torrey Jerde)

THE BENDS COMPRESSED AIR IN THE HISTORY OF SCIENCE, DIVING, AND ENGINEERING ARCHITECTURAL HISTORY AND CRITICISM



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Yale University Press. Hardcover. Condition: New. 272 pages. Dimensions: 8.6in. x 5.8in. x 0.9in. With the invention of compressed air in the 1840s, human divers could enter previously inaccessible deep water environments and engineers could design underwater mines and monumental bridges that had never been possible before. But a painful, sometimes fatal illness - decompression sickness, or the bends - mysteriously afflicted many of those who used compressed air. This book is a wide-ranging history of the wonders compressed air brought about and the suffering its unknown hazards inflicted. John L. Phillips explores the intertwining roles of science, technology, engineering, medicine and politics in the invention of compressed air, the recognition and identification of decompression sickness, and the 100-year-long process of learning to understand and treat the bends. The book begins with an overview of the biology and chemistry of respiration and a discussion of the steam engine that could generate compressed air. Drawing on previously unpublished letters, diaries and notes, Phillips tells the story of early uses of compressed air, first observations of decompression sickness, growing awareness of the bends during construction of the Brooklyn Bridge, and efforts to understand the pathophysiology of the illness. He then considers employee health and safety issues, the science of diving today, and human limits to exploring the ocean depths. In the history of compressed air and its illnesses, Phillips finds lessons for dealing with other diseases yet to be confronted in the modern world. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Hardcover.

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