

SCIENCE



BRAILLE INSTITUTE
Library Services
Large-Print Bibliography

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Foreword

Braille Institute Library Services is committed to providing high quality services and bibliographical support. To serve our patrons better, we have prepared and produced a series of subject bibliographies.

By utilizing this bibliography entitled Science, the patron can reference a selection of books in different media, which are to be found within our collection.

Our library staff has worked creatively together to compile this series, which is dedicated to each of our more than 27, 000 readers in Southern California.

Henry C. Chang, Ph. D.
Director of Library Services

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INTRODUCTION

Welcome to the Braille Institute Library Services bibliography of science books. Books in this bibliography were published within the last decade, or are the most recent books on their topic available in cassette or braille. Please note that some titles are only available through interlibrary loan. Please allow more time for these titles to arrive once you request them. Finally, this bibliography does not contain health related materials. Medical and health science books can be found in the bibliography *To Your Health*.

Enjoy your scientific explorations!

SCIENCE BOOKS

General Science

Brockman, John and Katinka Matson, editors

**How things are : a science tool-kit for the mind
RC 41895**

This collection contains thirty four essays by scientists and thinkers in such diverse fields as anthropology, biology, mathematics, and physics.

Burke, James

**The Day the universe changed Available through
interlibrary loan from Illinois (CIL 1628)**

In this companion to his PBS television series, Burke traces technological advances to their origins, and follows the trail of technological evolution to the present.

Gell-Mann, Murray

**Quark and the jaguar : adventures in the simple and
the complex RC 42284**

The Nobel Prize winning physicist sets forth his views on the behavior and makeup of the natural world. He addresses quantum mechanics, biological selection, adaptive systems, and creative thinking.

Ross, Andrew

Strange weather : culture, science and technology in the age of limits RC 35669

The author examines the influence on society of several scientific countercultures. He focuses on the claims made for science and technology and how the groups accept or contest such claims. He selects topics of general interest such as computer hacking, global warming, and New Age perspectives.

Science and Technology Department, Carnegie Library of Pittsburgh

The Handy science answer book BR 9464 / RC 37965

A collection of answers to common questions regarding all aspects of science, including: space, transportation, communication, weather, plants and animals.

Anthropology

Leakey, Richard and Roger Lewin

Origins reconsidered : in search of what makes us human RC 36503

This book is a report of the 1984 discovery of Turkana boy, who died 1.5 million years ago in Kenya. The authors explore the distinction of this skeleton among other fossils, and reflect on how the brain has developed human consciousness and the ability to create and to communicate.

Astronomy

Comins, Neil F.

What if the moon didn't exist : voyages to earths that might have been RC 39898

Comins, an astronomy professor, discusses the effect of the cosmic environment on the formation and evolution of the earth.

Ferris, Timothy

The Mind's sky : human intelligence in a cosmic context RC 35028

An investigation of the intellect and the infinite through two branches of research: neuroscience and SETI (Search for Extraterrestrial Intelligence). Ferris argues that the human brain and the universe are complementary sources of information.

Vaughan, Diana

Challenger launch decision : risky technology, culture and deviance at NASA RC 42430

The author, a sociologist, interprets the 1986 *Challenger* explosion in view of NASA's environment, organizational culture, and decision making process.

Biology

Angier, Natalie

**Beauty of the beastly : new views on the nature of life
RC 42365**

This book consists of a collection of essays by the Pulitzer Prize winning journalist on the beauty of various organisms which are usually considered beastly.

Bowler, Peter J.

**Charles Darwin : the man and his influence
RC 35230**

After a brief synopsis of Darwin's life, Bowler focuses on the scientist's work on evolution and current controversy as to his historical position.

Gould, Stephen Jay

**Bully for brontosaurus : reflections in natural history
RC 35090**

A collection of essays originally published in *Natural History Magazine*, on such divergent topics as male nipples and mammalian echidna, an egg-laying anteater.

Jones, Steve

The Language of genes : solving the mysteries of our genetic past, present, and future RC 41360

A genetics researcher writing for the general public, Jones compares genetic evolution with the development of languages, showing how each reveals its own ancestry.

Lovelock, J.E.

The Ages of Gaia : a biography of our living earth

**Available through interlibrary loan from
Washington (CBA 4533) and Illinois (CIL 1614)**

Beginning with the ancient Greek view of the earth as the goddess, Gaia, Lovelock examines the evolution of myth into the modern scientific view of our globe.

Lyon, Jeff and Peter Gorner

Altered fates : gene therapy and the retooling of human life RC 41261

These two Pulitzer Prize winning journalists track research into changing the human genetic code.

McGowan, Christopher

Dinosaurs, spitfires, and sea dragons RC 33963

A paleontologist looks at the three main types of dinosaurs: land, sea, and air. Writing for the lay reader, he draws frequent analogies between large living animals and the extinct giants.

Orlock, Carol

Inner time : the science of body clocks and what makes us tick RC 37794

Chronobiology reveals how life explains our biological clocks. Orlock outlines the basic cycles of humans, dividing patterns into three categories: ultradian (short periods), circadian (the 24 hour day) and infradian (longer periods up to a lifetime).

Sagan, Carl and Ann Druyan

Shadows of forgotten ancestors : a search for who we are RC 36146

The authors trace the roots of the human family tree for an understanding of our predecessors and for answers to predicaments of modern society.

Vermeij, Geerat J.

A Natural history of shells RC 39456 / BRA 18824

The author discusses shells from a biological viewpoint, studying the anatomy, adaptation, and distribution of shells and explaining how shells may be shaped by geology, geographical location, and predators.

Ward, Peter

The End of evolution : on mass extinctions and the preservation of biodiversity RC 41203

After discussing the first two major extinctions, the first brought on by glaciers and continental drift and the second brought on by asteroids and tidal waves and which ended the age of the dinosaurs, the author argues that the earth is in the middle of a third major extinction which will end the age of mammals.

Weiner, Jonathan

Beak of the finch : a story of evolution in our time RC 42578

This book is a summary of the work of Peter and Rosemary Grant, who spent over 20 years in the Galapagos Islands researching the same finches that Charles Darwin once studied.

Wilson, Edward O.

The Diversity of life RC 35820

The author, a Pulitzer Prize winner, guides the lay reader through the complexities of life forms, focusing on ecology, evolution, and biodiversity.

Computer Science

Boden, Margaret A.

Creative mind : myths and mechanisms RC 34655

The author examines how computers process information in order to search for clues to how the human brain operates.

Dery, Mark

**Escape velocity : Cyberculture at the end of the century
RC 42746**

In this overview of computer science culture, the author suggests that computer culture is pulling away from history.

Furlong, Mary and Stefan B. Lipson

Young@heart : computing for seniors RC 42378

This guide to computer technology for older adults covers the basics of getting started and integrating computer applications into everyday life.

Geology

McPhee, John

Assembling California RC 36170

This book focuses on the work of geologist Eldridge Moores and the effect of plate tectonics on California.

Physics

Gleick, James

**Genius : the life and science of Richard Feynman
RC 36181**

A biography of the Nobel Prize winning physicist and safe cracker who was called “the most original mind of his generation.”

Hawking, Stephen

**Black holes and baby universes and other essays
RC 37438**

The famed physicist presents a collection of autobiographical essays and scientific articles which encompass his view of science from philosophy to his dream of a unified theory.

Spielberg, Nathan

Seven ideas that shook the universe BR 8293

Originally a physics textbook for non-science majors, this work introduces major theoretical aspects of physics, including: Copernican astronomy, Newtonian mechanics and causality, entropy and probability and relativity.

Thorne, Kip

**Black holes and time warps : Einstein’s outrageous
legacy RC 40443**

Thorne writes for nonscientists in a quest to share his insights about “where and how relativity fails and what replaces it.”

Weinberg, Steven

Dreams of a final theory RC 41465

The Nobel Prize winning author explains the search for a final unifying theory of the universe in terms a lay person can understand.

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