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With the fiftieth anniversary of the landmark Supreme Court decision *Brown v. Board of Education* now upon us, many have begun to reflect upon how the case altered the course of civil rights and education in America. The definitive Harry Harrison bibliography, with lengthy annotations and a special bonus--the Harrison story written for Harlan Ellison's unpublished "Last Dangerous Visions" anthology. Winner of the 2006 Joseph W. Goodman Book Writing Award! A comprehensive treatment of the principles, mathematics, and statistics of image science In today's visually oriented society, images play an important role in conveying messages. From seismic imaging to satellite images to medical images, our modern society would be lost without images to enhance our understanding of our health, our culture, and our world.

*Foundations of Image Science* presents a comprehensive treatment of the principles, mathematics, and statistics needed to understand and evaluate imaging systems. The book is the first to provide a thorough treatment of the continuous-to-discrete, or CD, model of digital imaging. *Foundations of Image Science* emphasizes the need for meaningful, objective assessment of image quality and presents the necessary tools for this purpose. Approaching the subject within a well-defined theoretical and physical context, this landmark text presents the mathematical underpinnings of image science at a level that is accessible to graduate students and practitioners working with imaging systems, as well as well-motivated undergraduate students. Destined to become a standard text in the field, *Foundations of Image Science* covers: **Mathematical Foundations:** Examines the essential mathematical foundations of image science **Image Formation--Models and Mechanisms:** Presents a comprehensive and unified treatment of the mathematical and statistical principles of imaging, with an emphasis on digital imaging systems and the use of SVD methods **Image Quality:** Provides a systematic exposition of the methodology for objective or task-based assessment of image quality **Applications:** Presents detailed case studies of specific direct and indirect imaging systems and provides examples of how to apply the various mathematical tools covered in the book **Appendices:** Covers the prerequisite material necessary for understanding the material in the main text, including matrix algebra, complex variables, and the basics of probability theory The question of divine agency in the world remains one important unresolved underlying obstacle in the dialogue between theology and science. Modern notions of divine agency are shown to have developed out of the interaction of three factors in early modernity. Two are well known: late medieval perfect-being theology and the early modern application of the notion of the two books of God's revelation to the understanding of the natural order. It is argued the third is the early modern appropriation of the Augustinian doctrine of inspiration. This

assumes the soul's existence and a particular description of divine agency in humans, which became more generally applied to divine agency in nature. Whereas Newton explicitly draws the parallel between divine agency in humans and that in nature, Darwin rejects its supposed perfection and Huxley raised serious questions regarding the traditional understanding of the soul. This book offers an alternative incarnational description of divine agency, freeing consideration of divine agency from being dependent on resolving the complex issues of perfect-being theology and the existence of the soul. In conversation with Barth's pneumatology, this proposal is shown to remain theologically coherent and plausible while resolving or avoiding a range of known difficulties in the science-theology dialogue. Reprint of the original, first published in 1872. The publishing house Anatiposi publishes historical books as reprints. Due to their age, these books may have missing pages or inferior quality. Our aim is to preserve these books and make them available to the public so that they do not get lost. This set of 10 volumes, originally published between 1900 and 1994, amalgamates a wide breadth of research on Science and Technology in the Nineteenth Century, including studies on notable figures such as Gregor Johann Mendel, Elizabeth Garrett Anderson and Sir Humphry Davy. This collection of books from some of the leading scholars in the field provides a comprehensive overview of the subject how it has evolved over time, and will be of particular interest to students of history and the sciences.

**ROBERT J. LEFKOWITZ, M. D. Receptor Regulation (Receptors and Recognition, Series B, Volume 13) Edited by R. J. Lefkowitz Published in 1981 by Chapman and Hall, 11 New Fetter Lane, London EC4P 4EE © 1981 Chapman and Hall**

The study of hormone and drug receptors has become one of the most exciting and rapidly moving areas of biomedical research. Elucidation of receptor mechanisms and receptor structure has become the common goal of many scientists from diverse backgrounds. The rapid advances achieved have been due, in large part, to the concentrated effort of workers from a variety of disciplines including classical pharmacology, biochemistry, endocrinology, cell biology, genetics' and molecular biology, among others. Hormone and drug receptors appear to be of three major types, which may be classified by their cellular locations. Found in the plasma membranes of cells are the receptors for a wide variety of polypeptide hormones, catecholamines and a variety of neurotransmitters. Included within this group are those receptors coupled to the enzyme adenylate cyclase. The second group of receptors are the soluble cytoplasmic receptors for the steroid hormones. A third type of hormone receptor is the receptor for the thyroid hormones which appears to be confined to the nucleus. Not only may these different types of receptor be distinguished in terms of their cellular locations but also by their mechanisms of action.

**Three Unlike Speeches - by William Lloyd Garrison, of Massachusetts, Garrett Davis, of Kentucky, Alexander H. Stephens, of Georgia** is an unchanged, high-quality reprint of the original edition of 1862. Hansebooks is editor of the literature on different topic areas such as research and science, travel and expeditions, cooking and nutrition, medicine, and other genres. As a publisher we focus on the preservation of historical literature. Many works of historical writers and scientists are available today as antiques only. Hansebooks newly publishes these books and contributes to the preservation of literature which has become rare and historical knowledge for the future.

**Biophysical Measurement in Experimental Social Science Research: Theory and Practice** demonstrates the use of biophysical measurement in laboratory-based experimental social science research and the ways biophysical measures can inform analyses of human behavior. Noting the practical limitations of laboratory-based biophysical measurement, its contributors provide hands-on guidance about biophysical measurement devices. Its Introductory and concluding chapters address ethics, measurement options, and historical and scientific contexts. Highlighting examples of device adoption in experimental social science lab settings, this book makes these tools understandable and accessible to all. Demonstrates the strengths and limitations of tools in both research objectives and practicality Provides hands-on guidance for device usage and data implementation, integration and assessment Compares and contrasts the uses of biophysical data in research objectives and disciplines

**Global Change and Forest Soils: Cultivating Stewardship of a Finite Natural Resource, Volume 36**, provides a state-of-the-science summary and synthesis of global forest soils that identifies concerns, issues and opportunities for soil adaptation and mitigation as external pressures from global changes arise. Where, how and why some soils are resilient to global change while others are at risk is explored, as are upcoming train wrecks and success stories across boreal, temperate, and tropical forests. Each chapter offers multiple sections written by leading soil scientists who comment on wildfires, climate change and forest harvesting effects, while also introducing examples of current global issues. Readers will find this book to be an integrated, up-to-date assessment on global forest soils. Presents sections on boreal, temperate and tropical soils for a diverse audience Serves as an important reference source for anyone interested in both a big-picture assessment of global soil issues and an in-depth examination of specific environmental topics Provides a unique synthesis of forest soils and their collective ability to respond to global change Offers chapters written by leading soil scientists Prepares readers to meet the daily challenges of drafting multi-resource environmental science and policy documents

**Small-Animal SPECT Imaging** is an edited work derived from the first workshop on Small-Animal SPECT Imaging held January 14-16, 2004 at the University of Arizona, Tucson, AZ, USA. The overall goal of the meeting and therefore this volume is to promote information exchange and collaboration between the

research groups developing systems for small-animal applications. Topics include the biomedical significance of small-animal imaging, an overview of detector technologies including scintillation cameras and semi-conductor arrays, imager design and data acquisition systems, animal handling and anesthesia issues, objective assessment of image quality, and system modeling and reconstruction algorithms. Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. All the authority of the most trusted brand in medical content in a convenient, portable guide Derived from most clinically salient content featured in Harrison's Principles of Internal Medicine, 20th Edition, this full color, portable guide covers all diseases and conditions commonly seen in general medical practice. This edition has been updated to reflect the latest clinical developments in medicine. Designed for quick access and employing an effective blend of concise text, bulleted key points, decision trees, and summary tables, the Manual makes it easy to find what you need at the point of care. The easy-to-navigate chapters use a standard repeating template and cover: •Etiology and Epidemiology •Clinically Relevant Pathophysiology •Signs and Symptoms •Differential Diagnosis •Physical and Laboratory Findings •Therapeutics •Practice Guidelines, and more First published in 1965. In 1865, a woman first obtained a legal qualification in this country as physician and surgeon. Elizabeth Garrett surprised public opinion by the calm obstinacy with which she fought for her own medical education and that of the young women who followed her. This full biography is based largely on unpublished material from the hospitals and medical schools where Elizabeth Garrett Anderson worked, and the private papers of the Garrett and Anderson families. This title will be of great interest to history of science students. "The Encyclopedia of Library and Information Science provides an outstanding resource in 33 published volumes with 2 helpful indexes. This thorough reference set--written by 1300 eminent, international experts--offers librarians, information/computer scientists, bibliographers, documentalists, systems analysts, and students, convenient access to the techniques and tools of both library and information science. Impeccably researched, cross referenced, alphabetized by subject, and generously illustrated, the Encyclopedia of Library and Information Science integrates the essential theoretical and practical information accumulating in this rapidly growing field." Hours of great reading await, with tales from some of the 20th century's most renowned science fiction authors, Here are 25 science fiction stories (plus a bonus short-short): UNKNOWN THINGS, by Reginald Bretnor CAPTIVES OF THE FLAME, by Samuel R. Delany EXPEDITER, by Mack Reynolds ONE-SHOT, by James Blish SHIPWRECK IN THE SKY, by Eando Binder ZEN, by Jerome Bixby LANCELOT BIGGS COOKS A PIRATE, by Nelson Bond SENTIMENT, INC., by Poul Anderson THE ISSAHAR ARTIFACTS, by J. F. Bone THE NEXT LOGICAL STEP, by Ben Bova YEAR OF THE BIG THAW, by Marion Zimmer Bradley EARTHMEN BEARING GIFTS, by Fredric Brown HAPPY ENDING, by Fredric Brown and Mack Reynolds LIGHTER THAN YOU THINK, by Nelson Bond RIYA'S FOUNDLING, by Algis Budrys ACCIDENTAL DEATH, by Peter Baily AND ALL THE EARTH A GRAVE, by C. C. MacApp DEAD RINGER, by Lester del Rey THE CRYSTAL CRYPT, by Philip K. Dick THE JUPITER WEAPON, by Charles L. Fontenay THE MAN WHO HATED MARS, by Randall Garrett NAVY DAY, by Harry Harrison THE JUDAS VALLEY, by Robert Silverberg & Randall Garrett NATIVE SON, by T. D. Hamm JUBILEE, by Richard A. Lupoff FINAL CALL, by John Gregory Betancourt And don't forget to check out all the other volumes in the "Megapack" series! Search on "Megapack" in the ebook store to see the complete list...covering more science fiction volumes, plus adventure stories, military, fantasy, ghost stories, westerns, and much more! Science Fiction and Fantasy Literature, A Checklist, 1700-1974, Volume one of Two, contains an Author Index, Title Index, Series Index, Awards Index, and the Ace and Belmont Doubles Index. NSA is a comprehensive collection of international nuclear science and technology literature for the period 1948 through 1976, pre-dating the prestigious INIS database, which began in 1970. NSA existed as a printed product (Volumes 1-33) initially, created by DOE's predecessor, the U.S. Atomic Energy Commission (AEC). NSA includes citations to scientific and technical reports from the AEC, the U.S. Energy Research and Development Administration and its contractors, plus other agencies and international organizations, universities, and industrial and research organizations. References to books, conference proceedings, papers, patents, dissertations, engineering drawings, and journal articles from worldwide sources are also included. Abstracts and full text are provided if available. This practical guide helps mentors of new science teachers in both developing their own mentoring skills and providing the essential guidance their trainees need as they navigate the rollercoaster of the first years in the classroom. Offering tried-and-tested strategies based on the best research, it covers the knowledge, skills and understanding every mentor needs and offers practical tools such as lesson plans and feedback guides, observation sheets and examples of dialogue with trainees. Together with analytical tools for self-evaluation, this book is a vital source of support and inspiration for all those involved in developing the next generation of outstanding science teachers. Key topics explained include: • Roles and responsibilities of mentors • Developing a mentor—mentee relationship • Guiding beginning science teachers through the lesson planning, teaching and self-evaluation processes • Observations and pre- and post-lesson discussions and regular mentoring meetings • Supporting beginning teachers to enhance scientific knowledge and

effective pedagogical practices • Building confidence among beginning teachers to cope with pupils' contingent questions and assess scientific knowledge and skills • Supporting beginning teachers' planning and teaching to enhance scientific literacy and inquiry among pupils • Developing autonomous science teachers with an attitude to promote the learning of science for all the learners Filled with tried-and-tested strategies based on the latest research, *Mentoring Science Teachers in the Secondary School* is a vital guide for mentors of science teachers, both trainee and newly qualified, with ready-to-use strategies that support and inspire both mentors and beginning teachers alike. Using data from one season of NBA games, *Basketball Data Science: With Applications in R* is the perfect book for anyone interested in learning and applying data analytics in basketball. Whether assessing the spatial performance of an NBA player's shots or doing an analysis of the impact of high pressure game situations on the probability of scoring, this book discusses a variety of case studies and hands-on examples using a custom R package. The codes are supplied so readers can reproduce the analyses themselves or create their own. Assuming a basic statistical knowledge, *Basketball Data Science with R* is suitable for students, technicians, coaches, data analysts and applied researchers. Features: • One of the first books to provide statistical and data mining methods for the growing field of analytics in basketball. • Presents tools for modelling graphs and figures to visualize the data. • Includes real world case studies and examples, such as estimations of scoring probability using the Golden State Warriors as a test case. • Provides the source code and data so readers can do their own analyses on NBA teams and players. *Barrett's Esophagus* gives an extensive overview written by the world's leading experts covering the epidemiology, gastroenterology and surgery, as well as the molecular basis of: the precursor lesions leading to the development of Barrett's epithelium; the unique characteristics of Barrett's esophagus; the consequences of malignant degeneration, i.e. adenocarcinoma. All aspects in terms of diagnosis, secondary prevention, multimodality, medical and surgical treatment are elucidated. *Stellar Cast* of leading theologians and scientists debating science and religion in the public arena. The Boyle lectures are a prestigious lecture series held annually in the City of London. Engaging themes at the cutting-edge of contemporary science and religion debates, from evolution and emergence to the psychology of religious beliefs. *Science Fiction* is a literary genre based on scientific speculation. Works of science fiction use the ideas and the vocabulary of all sciences to create valid narratives that explore the future effects of science on events and human beings. *Science Fact and Science Fiction* examines in one volume how science has propelled science-fiction and, to a lesser extent, how science fiction has influenced the sciences. Although coverage will discuss the science behind the fiction from the Classical Age to the present, focus is naturally on the 19th century to the present, when the Industrial Revolution and spectacular progress in science and technology triggered an influx of science-fiction works speculating on the future. As scientific developments alter expectations for the future, the literature absorbs, uses, and adapts such contextual visions. The goal of the Encyclopedia is not to present a catalog of sciences and their application in literary fiction, but rather to study the ongoing flow and counterflow of influences, including how fictional representations of science affect how we view its practice and disciplines. Although the main focus is on literature, other forms of science fiction, including film and video games, are explored and, because science is an international matter, works from non-English speaking countries are discussed as needed. *American national trade bibliography*. "Speaking About Science : A Manual for Creating Clear Presentations is essential reading for anyone who presents data at meetings and conferences. Based on the curriculum that authors have developed for their public speaking courses, the book provides the practical tools all speakers need to create clear and compelling presentations for any audience."--BOOK JACKET. Serves as an index to the microfiche sets entitled: *American biographical archive (ABA)* and the *American Biographical Archive, Series II (ABA II)*. Provides a summary of the information about 488,000 persons featured in the two sets. *Science Fiction and Fantasy Literature, A Checklist, 1700-1974, Volume one of Two*, contains an Author Index, Title Index, Series Index, Awards Index, and the Ace and Belmont Doubles Index. Developed in partnership with the National Geographic Society, market-leading *OCEANOGRAPHY: AN INVITATION TO MARINE SCIENCE, 9e* equips students with a basic understanding of the scientific questions, complexities, and uncertainties involved in ocean use-as well as the role and importance of the ocean in nurturing and sustaining life on Earth. The Ninth Edition features the work of seasoned author and educator Tom Garrison along with new co-author Robert Ellis, an assistant professor in the Marine Science Department at Orange Coast College who has managed research projects and educational programs throughout the world. Offering an even stronger emphasis on the science process, the new edition includes more How Do We Know? boxes detailing the science behind how oceanographers know what they know. Coverage of climate change has been updated to reflect the latest findings. In addition, Chapter 14 has been renamed Primary Producers and now includes expanded coverage of photosynthetic and chemosynthetic producers to help students understand the big picture in marine biology. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. This book, first published in 1979, presents a portrait of science fiction as a distinct form of serious and creative literature. Contributors are drawn from Britain, America and Europe, and range from well-known academic critics to young novelists. The

essays establish the common properties of science fiction writing, and assess the history and significance of a field in which critical judgements have often been unreliable. The material ranges from the earliest imaginative journeys to the moon, to later developments of British, American and European science fiction.

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