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AAPT Announcer American Association of Physics Teachers 1981
Otto Hahn and the Rise of Nuclear Physics W.R. Shea 2012-12-06 and less as the emanation unden\ 'ent radioactive decay, and it became motion less after about 30 seconds. Since this process was occurring very rapidly, Hahn and Sackur marked the position of the pointer on a scale with pencil marks. As a timing device they used a metronome that beat out intervals of approximately 1. 3 seconds. This simple method enabled them to determine that the half-life of the emanations of actinium and emanium were the same. Although Giesel's measurements had been more precise than Debierne's, the name of actinium was retained since Debierne had made the discovery first. Hahn now returned to his sample of barium chloride. He soon conjectured that the radium-enriched preparations must harbor another radioactive substance. The liquids resulting from fractional crystallization, which were sup posed to contain radium only, produced two kinds of emanation. One was the long-lived emanation of radium, the other had a short life similar to the emanation produced by thorium. Hahn tried to separate this substance by adding some iron to the solutions that should have been free of radium, but to no avail. Later the reason for his failure became apparent. The element that emitted the thorium emanation was constantly replenished by the ele

ment believed to be radium. Hahn succeeded in enriching a preparation until it was more than 100,000 times as intensive in its radiation as the same quantity of thorium.

The Planetary Clock Paul Giles 2021-02-11 The theme of The Planetary Clock is the representation of time in postmodern culture and the way temporality as a global phenomenon manifests itself differently across an antipodean axis. To trace postmodernism in an expansive spatial and temporal arc, from its formal experimentation in the 1960s to environmental concerns in the twenty-first century, is to describe a richer and more complex version of this cultural phenomenon. Exploring different scales of time from a Southern Hemisphere perspective, with a special emphasis on issues of Indigeneity and the Anthropocene, The Planetary Clock offers a wide-ranging, revisionist account of postmodernism, reinterpreting literature, film, music, and visual art of the post-1960 period within a planetary framework. By bringing the culture of Australia and New Zealand into dialogue with other Western narratives, it suggests how an antipodean impulse, involving the transposition of the world into different spatial and temporal dimensions, has long been an integral (if generally occluded) aspect of postmodernism. Taking its title from a Florentine clock designed in 1510 to measure worldly time alongside the rotation of the planets, The

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Planetary Clock ranges across well-known American postmodernists (John Barth, Toni Morrison) to more recent science fiction writers (Octavia Butler, Richard Powers), while bringing the US tradition into juxtaposition with both its English (Philip Larkin, Ian McEwan) and Australian (Les Murray, Alexis Wright) counterparts. By aligning cultural postmodernism with music (Messiaen, Ligeti, Birtwistle), the visual arts (Hockney, Blackman, Fiona Hall), and cinema (Rohmer, Haneke, Tarantino), this volume enlarges our understanding of global postmodernism for the twenty-first century.

Complexity Explained Peter Erdi
2007-11-09 This book explains why complex systems research is important in understanding the structure, function and dynamics of complex natural and social phenomena. It illuminates how complex collective behavior emerges from the parts of a system, due to the interaction between the system and its environment. Readers will learn the basic concepts and methods of complex system research. The book is not highly technical mathematically, but teaches and uses the basic mathematical notions of dynamical system theory, making the book useful for students of science majors and graduate courses.

Comprehensive Dissertation Index, 1861-1972: Physics, M-Z Xerox University Microfilms 1973

Forthcoming Books Rose Army 1999

Dissertation Abstracts 1970

University Physics Ronald Lane Reese
2000 Reese writes a text that embraces the spirit of many reform goals, such as better integration of modern physics topics, a stronger emphasis on conceptual understanding, and an attention to different learning styles. Most importantly, however, Reese writes for students to allow them not only to learn the tools that physics provides, but also to see why those tools work and the beauty of the ideas that underlie them. Because students sometimes fail to see how the topics of physics connect to each other or to the world outside the classroom, Reese introduces each new topic by

describing how it relates to experiences and phenomena with which the student is already familiar or to topics previously discussed. Reese emphasizes introductory physics, rather than encyclopedic physics, leaving appropriate topics for more advanced courses. His thinking is that it is better to build technical knowledge on a firm foundation of fundamental principles rather than on a large collection of mere formulas. In doing this, he helps students develop a thorough understanding of the principles of basic areas of physics: kinematics, dynamics, waves, thermodynamics, electromagnetism, optics, relativity, and modern physics. Because most students cannot discern simplifying patterns and connections when faced with seemingly complex ideas, students learn physics through practice. To assist them, Reese integrates the most significant material from previous chapters into new material; provides an accurate conceptual understanding of fundamental physical principles by placing great emphasis on these principles and how they arose; points out the limits of applicability of the theories and equations of physics; and stresses connections among topics by incorporating many aspects of contemporary physics and astronomy into a mix of traditional topics.

Handbook & Directory American Society for Information Science 1984

Comprehensive Dissertation Index: Mathematics & statistics. Physics, A-E 1984

Cambridge Handbook of Experimental Political Science James N. Druckman

2011-06-06 This volume provides the first comprehensive overview of how political scientists have used experiments to transform their field of study.

Getting the message through: A Branch History of the U.S. Army Signal Corps Rebecca Robbins Raines 1996 *Getting the Message Through*, the companion volume to Rebecca Robbins Raines' *Signal Corps*, traces the evolution of the corps from the appointment of the first signal officer on the eve of the Civil War, through its stages of growth and change, to its service in

Operation DESERT SHIELD/DESERT STORM. Raines highlights not only the increasingly specialized nature of warfare and the rise of sophisticated communications technology, but also such diverse missions as weather reporting and military aviation. Information dominance in the form of superior communications is considered to be sine qua non to modern warfare. As Raines ably shows, the Signal Corps--once considered by some Army officers to be of little or no military value--and the communications it provides have become integral to all aspects of military operations on modern digitized battlefields. The volume is an invaluable reference source for anyone interested in the institutional history of the branch.

Directory [of] Officers, Faculty, and Staff and Associated Organizations

University of Michigan 2001

The Griffith Observer 1985

Student Answers to Questions in University Physics Ronald Lane Reese 2002-02-01

What Works in Girls' Education Gene B Sperling 2015-09-29 Hard-headed evidence on why the returns from investing in girls are so high that no nation or family can afford not to educate their girls. Gene Sperling, author of the seminal 2004 report published by the Council on Foreign Relations, and Rebecca Winthrop, director of the Center for Universal Education, have written this definitive book on the importance of girls' education. As Malala Yousafzai expresses in her foreword, the idea that any child could be denied an education due to poverty, custom, the law, or terrorist threats is just wrong and unimaginable. More than 1,000 studies have provided evidence that high-quality girls' education around the world leads to wide-ranging returns: Better outcomes in economic areas of growth and incomes Reduced rates of infant and maternal mortality Reduced rates of child marriage Reduced rates of the incidence of HIV/AIDS and malaria Increased agricultural productivity Increased resilience to natural disasters Women's empowerment What Works in Girls' Education is a

compelling work for both concerned global citizens, and any academic, expert, nongovernmental organization (NGO) staff member, policymaker, or journalist seeking to dive into the evidence and policies on girls' education.

Yearbook of Higher Education Marquis Who's Who, LLC 1982-12

Student-staff Directory University of Illinois at Urbana-Champaign 1999

Announcer American Association of Physics Teachers 1997

Physics for Degree Students

B.Sc. First Year C L Arora 2010 For B.Sc I yr students as per the new syllabus of UGC curriculum for all Indian Universities. The present book has two sections. Section I covers 1 which includes chapters on Mechanics, oscillations and Properties of Matter. Section II covers course 2 which includes chapters on Electricity, Magnetism and Electromagnetic theory.

Staff Directory University of Illinois at Chicago 1996 Vols. for 1982/1983- include : University of Illinois at Chicago. Health Sciences Center. Staff directory. *Research Awards Index* 1977

IEEE Membership Directory Institute of Electrical and Electronics Engineers 2000

National Faculty Directory 1995 CMG Information Services Staff 1994-12

Complete Solutions Manual for Reese's University Physics Ronald Lane Reese 2000

B.Sc. Practical Physics CL Arora 2001 *B.Sc. Practical Physics*

Books in Print Supplement 2002

Bloomsbury Reader in Cultural Approaches to the Study of Religion Meredith Minister 2018-08-23 This is the first reader to gather primary sources from influential theorists of the late 20th and early 21st centuries in one place, presenting the wide-ranging and nuanced theoretical debates occurring in the field of religious studies. Each chapter focuses on a major theorist and contains: · an introduction contextualizing their key ideas · one or two selections representative of the theorist's innovative methodological approach(es) · discussion questions to extend and

deepen reader engagement Divided in three sections, the first part includes foundational comparative debates: · Mary Douglas's articulation of purity and impurity · Phyllis Tribble's methods of reading sacred texts · Wendy Doniger's comparative mythology · Catherine Bell's reimagining of religious and secular ritual The second part focuses on methodological particularity: · Alice Walker's use of narrative · Charles Long's critique of Eurocentricism · Caroline Walker Bynum's emphasis on gender and materiality The third section focuses on expanding boundaries: · Gloria Anzaldúa's work on borders and languages · Judith Butler's critique of gender and sex norms · Saba Mahmood's expansion on the critique of colonialism's secularizing demands Reflecting the cultural turn and extending the existing canon, this is the anthology instructors have been waiting for. For further detail on the theorists discussed, please consult *Cultural Approaches to Studying Religion: An Introduction to Theories and Methods*, edited by Sarah J. Bloesch and Meredith Minister. *Mathematical Sciences Administrative Directory* 1977

Triumph of the City Edward Glaeser 2011-02-10 Shortlisted for the Financial Times and McKinsey Best Book of the Year Award in 2011 "A masterpiece." —Steven D. Levitt, coauthor of *Freakonomics* "Bursting with insights." —The New York Times Book Review A pioneering urban economist presents a myth-shattering look at the majesty and greatness of cities America is an urban nation, yet cities get a bad rap: they're dirty, poor, unhealthy, environmentally unfriendly . . . or are they? In this revelatory book, Edward Glaeser, a leading urban economist, declares that cities are actually the healthiest, greenest, and richest (in both cultural and economic terms) places to live. He travels through history and around the globe to reveal the hidden workings of cities and how they bring out the best in humankind. Using intrepid reportage, keen analysis, and cogent argument, Glaeser makes an

urgent, eloquent case for the city's importance and splendor, offering inspiring proof that the city is humanity's greatest creation and our best hope for the future.

Comprehensive Dissertation Index, 1861-1972: Astronomy and physics, A-L Xerox University Microfilms 1973
American Journal of Physics 2001
The Sovereign Individual James Dale Davidson 2020-02-04 Two renowned investment advisors and authors of the bestseller *The Great Reckoning* bring to light both currents of disaster and the potential for prosperity and renewal in the face of radical changes in human history as we move into the next century. *The Sovereign Individual* details strategies necessary for adapting financially to the next phase of Western civilization. Few observers of the late twentieth century have their fingers so presciently on the pulse of the global political and economic realignment ushering in the new millennium as do James Dale Davidson and Lord William Rees-Mogg. Their bold prediction of disaster on Wall Street in *Blood in the Streets* was borne out by Black Tuesday. In their ensuing bestseller, *The Great Reckoning*, published just weeks before the coup attempt against Gorbachev, they analyzed the pending collapse of the Soviet Union and foretold the civil war in Yugoslavia and other events that have proved to be among the most searing developments of the past few years. In *The Sovereign Individual*, Davidson and Rees-Mogg explore the greatest economic and political transition in centuries -- the shift from an industrial to an information-based society. This transition, which they have termed "the fourth stage of human society," will liberate individuals as never before, irrevocably altering the power of government. This outstanding book will replace false hopes and fictions with new understanding and clarified values.

Mechanics DS Mathur 2000-10 The book presents a comprehensive study of important topics in Mechanics of pure and applied sciences. It provides knowledge of scalar and vector in

optimum depth to make the students understand the concepts of Mechanics in simple, coherent and lucid manner and grasp its principles & theory. It caters to the requirements of students of B.Sc. Pass and Honours courses. Students of engineering disciplines and the ones aspiring for competitive exams such as AIME and others, will also find it useful for their preparations.

Handbook of Cloud Computing Borko Furht 2010-09-11 Cloud computing has become a significant technology trend. Experts believe cloud computing is currently reshaping information technology and the IT marketplace. The advantages of using cloud computing include cost savings, speed to market, access to greater computing resources, high availability, and scalability. *Handbook of Cloud Computing* includes contributions from world experts in the field of cloud computing from academia, research laboratories and private industry. This book presents the systems, tools, and services of the leading providers of cloud computing; including Google, Yahoo, Amazon, IBM, and Microsoft. The basic concepts of cloud computing and cloud computing applications are also introduced. Current and future technologies applied in cloud computing are also discussed. Case studies, examples, and exercises are provided throughout. *Handbook of Cloud Computing* is intended for advanced-level students and researchers in computer science and electrical engineering as a reference book. This handbook is also beneficial to computer and system infrastructure designers, developers, business managers, entrepreneurs and investors within the cloud computing related industry.

Physics for Degree Students B.Sc Second Year C L Arora 2013 For B.Sc. Second Year Students as per UGC Model Curriculum (For All Indian Universities). The book is presented in a comprehensive way using simple language. The sequence of articles in each chapter enables the students to understand the gradual development of the subject. A large number of illustrations, pictures and

interesting examples have been given *Elements of Properties of Matter* DS Mathur 2008 The book is a comprehensive work on Properties of Matter which introduces the students to the fundamentals of the subject. It adopts a unique 'ab initio' approach to the presentation of matter- solids, liquids and gasses- with extensive usage of Calculus throughout the book. For each topic, the focus is on optimum blend of theory as well as practical application. Examples and extensive exercises solved with the logarithms reinforce the concepts and stimulate the desire among users to test how far they have grasped and imbibed the basic principles. It primarily caters to the undergraduate courses offered in Indian universities.

Who's who in the West 2002 *Religion in the Oval Office* Gary Scott Smith 2015-02-27 In his highly praised book *Faith and the Presidency*, Gary Scott Smith cast a revealing light on the role religion has played in presidential politics throughout our nation's history, offering comprehensive, even-handed examinations of the role of religion in the lives, politics, and policies of eleven presidents. Now, in *Religion in the Oval Office*, Smith takes on eleven more of our nation's most interesting and influential chief executives: John Adams, James Madison, John Quincy Adams, Andrew Jackson, William McKinley, Herbert Hoover, Harry Truman, Richard Nixon, George H. W. Bush, Bill Clinton, and Barack Obama. Drawing on a wide range of sources and paying close attention to historical context and America's shifting social and moral values, he examines their religious beliefs, commitments, affiliations, and practices and scrutinizes their relationships with religious leaders and communities. The result is a fascinating account of the ways in which religion has helped shape the course of our history. From John Quincy Adams' treatment of Native Americans, to Harry Truman's decision to recognize Israel, to Bill Clinton's promotion of religious liberty and welfare reform, to Barack Obama's policies on poverty and gay

rights, Smith shows how strongly our presidents' religious commitments have affected policy from the earliest days of our nation to the present. Together with *Faith and the Presidency, Religion in the Oval Office* provides the most comprehensive examination of the

inseparable and intriguing relationship between faith and the American presidency. This book will be invaluable to anyone interested in the presidency and the role of religion in politics.
The British National Bibliography
Arthur James Wells 2000