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[World Guide to Library, Archive and Information Science Education](#) Jan 17 2022 This directory lists education institutions world-wide where professional education and training programmes in the field of library, archive and information science are carried out at a tertiary level of education or higher. More than ten years after the publication of the last edition, this up-to-date reference source includes more than 900 universities and other institutions, and more than 1.500 relevant programmes. Entries provide contact information as well as details such as statistical information, tuition fees, admission requirements, programmes' contents.

[Ulrich's Periodicals Directory 2003](#) Feb 06 2021

[Science](#) Sep 01 2020

[AQA AS/A2 Biology Student Unit Guide New Edition: Units 3 & 6 Investigative and Practical Skills in Biology](#) Jan 29 2023 Written by Steve Potter and revised by a senior examiner, Martin Rowland, this AQA AS/A2 Biology Student Unit Guide is the essential study companion for Units 3 and 6: Investigative and Practical Skills in Biology. This full-colour book includes all you need to know to prepare for your Unit 3 and Unit 6 assessments: clear guidance on the range of practical apparatus and techniques that you need to know about and an overview of the scientific method of testing ideas by experimentation; examiner's advice throughout, so you will know what to expect in the assessments and will be able to demonstrate the skills required; sample investigation tasks for extra practice before your assessments

[Silicon Solid State Devices and Radiation Detection](#) Mar 27 2020 This book addresses the fundamental principles of interaction between radiation and matter, the principles of working and the operation of particle detectors based on silicon solid state devices. It covers a broad scope in the fields of application of radiation detectors based on silicon solid state devices from low to high energy physics experiments, including in outer space and in the medical environment. This book also covers state-of-the-art detection techniques in the use of radiation detectors based on silicon solid state devices and their readout electronics, including the latest developments on pixelated silicon radiation detector and their application. The content and coverage of the book benefit from the extensive experience of the two authors who have made significant contributions as researchers as well as in teaching physics students in various universities. Contents: Interactions of Charged Particles and Photons; Physics and Properties of Silicon Semiconductor; Transport Phenomena in Semiconductors; Properties of the p-n Junctions of Silicon Radiation Devices; Charged Particle Detectors; Photon Detectors and Dosimetric Devices; Examples of Applications of Silicon Devices in Physics and Medical Physics; Appendix A: General Properties and Physical Constants; Readership: Graduate students, researchers and professionals involved in space research and medical researchers using silicon based radiation detectors. Keywords: Interactions of Charged Particles and Photons with Matter; Physics and Properties of Semiconductors; Charge Transport in Semiconductors; Application of Silicon in Charged Particle Detectors; Microstrip; Pixel Silicon Detectors; Photon Detectors and Dosimetric Devices; Application of Silicon in Physics Experiments (Including Space) and Medical Physics; Key Features: A detailed presentation of the fundamental principles of interaction between radiation and matter, combined with the principles of working and operation of particle detectors based on silicon solid state devices; Complete coverage of applications in physics experiments from low to high energy, space physics and medical fields, including imaging applications; Detailed presentation and explanations for all topics treated in the book benefiting from the large experience of the two authors; Several topics are clearly unique at this time such as the section on pixel detectors

[The American Journal of Science](#) Jan 05 2021

[The American Journal of Science](#) Feb 18 2022

[The School Science Review](#) Mar 07 2021

[Learning to Teach Science in the Secondary School](#) Dec 28 2022 Learning to Teach Science in the Secondary School, now in its third edition, is an indispensable guide to the process and practice of teaching and learning science. This new edition has been fully updated in the light of changes to professional knowledge and practice – including the introduction of master level credits on PGCE courses – and revisions to the national curriculum. Written by experienced practitioners, this popular textbook comprehensively covers the opportunities and challenges of teaching science in the secondary school. It provides guidance on: the knowledge and skills you need, and understanding the science department at your school; development of the science curriculum in two brand new chapters on the curriculum 11-14 and 14-19; the nature of science and how science works, biology, chemistry, physics and astronomy, earth science planning for progression, using schemes of work to support planning, and evaluating lessons; language in science, practical work, using ICT, science for citizenship, Sex and Health Education and learning outside the classroom; assessment for learning and external assessment and examinations. Every unit includes a clear chapter introduction, learning objectives, further reading, lists of useful resources and specially designed tasks – including those to support Masters Level work – as well as cross-referencing to essential advice in the core text Learning to Teach in the Secondary School, fifth edition. Learning to Teach Science in the Secondary School is designed to support student teachers through the transition from graduate scientist to practising science teacher, while achieving the highest level of personal and professional development.

[Wave Propagation and Group Velocity](#) Jul 11 2021 Wave Propagation and Group Velocity contains papers on group velocity which were published during the First World War and are missing in many libraries. It introduces three different definitions of velocities: the group velocity of Lord Rayleigh, the signal velocity of Sommerfeld, and the velocity of energy transfer, which yields the rate of energy flow through a continuous wave and is strongly related to the characteristic impedance. These three velocities are identical for nonabsorbing media, but they differ considerably in an absorption band. Some examples are discussed in the last chapter dealing with guided waves, and many other cases of application of these definitions are quoted. These problems have come again into the foreground, in connection with the propagation of radio signals and radar. Reflection in the Heaviside layers requires a real knowledge of all these different definitions. Group velocity also plays a very important role in wave mechanics and corresponds to the speed of a particle. The present book should be very useful to physicists and radio engineers and should give them a good basis for new discussions and applications.

[Nuclear Science and Engineering](#) Jan 25 2020

[Issues in Immunology Research: 2013 Edition](#) Dec 04 2020 Issues in Immunology Research / 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Immunology. The editors have built Issues in Immunology Research: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Immunology in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Immunology Research / 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

[Husserl-Arg Philosophers](#) Aug 12 2021 First Published in 1999. Routledge is an imprint of Taylor & Francis, an informa company.

[Science Journal](#) Apr 27 2020

[The Husserl Dictionary](#) Oct 22 2019 The Husserl Dictionary is a comprehensive and accessible guide to the world of Edmund Husserl, the founder of phenomenology. Meticulously researched and extensively cross-referenced, this unique book covers all his major works, ideas and influences and provides a firm grounding in the central themes of Husserl's thought. Students will discover a wealth of useful information, analysis and criticism. A-Z entries include clear definitions of all the key terms used in Husserl's writings and detailed synopses of his key works. The Dictionary also includes entries on Husserl's major philosophical influences, including Brentano, Hume, Dilthey, Frege, and Kant, and those he influenced, such as Gadamer, Heidegger, Levinas, Sartre and Merleau-Ponty. It covers everything that is essential to a sound understanding of Husserl's phenomenology, offering clear and accessible explanations of often complex terminology. The Husserl Dictionary is the ideal resource for anyone reading or studying Husserl, Phenomenology or Modern European Philosophy more generally.

[The American Journal of Science](#) Aug 24 2022 The American journal of science and arts

[Hardwicke's Science-gossip](#) Dec 16 2021

[Douglas Rayner Hartree](#) Nov 15 2021 ' This scientific biography of Douglas R Hartree not only describes important events in his life but also outlines his contributions to a number of fields. He is best known for his "self-consistent field" theory for atoms, a theory he later used for the much more difficult problem of predicting the behavior of a magnetron. When Fock pre-empted his work on exchange, he began research into radio-wave propagation. Hartree was very interested in the process of computation. When he learned of a differential analyzer for solving differential equations, he first built a model using Meccano, a toy for children. The success of this model spread the notion of using devices to solve scientific problems. Application of the analyzer led Hartree to control theory and fluid dynamics. In both these areas he made significant, original contributions. With his extensive computing background, he was selected as the first civilian to evaluate the possibility of applying the US ENIAC computer to nonmilitary problems. His research touched the lives of many scientists. Contents: The Hartree Family; Early Research at Cambridge University; Advances in Atomic Theory; The Differential Analyzer; Control Theory and Industrial Applications; Laminar Boundary Layer Theory; Arrangements for War; Dawn of the Computer Era; Summers in North America; A Trip to Australia; His Legacy; and other topics; Readership: Those interested in the history of science; scientists in quantum chemistry, atomic physics, computer development; astrophysicists, plasma physicists and control theorists. Keywords: Douglas R Hartree; Self-Consistent Field; Computing; Control Theory; Fluid Dynamics; Reviews: "Dr Fischer's book fills an important gap in the history of individual 20th century scientists. It is also of interest because it documents the immense activity of a very hard-working scientist who did not make any spectacular discoveries and yet contributed to many areas of physical science." Roy H Garstang Emeritus Professor, University of Colorado "Fischer does a good job of outlining the technical context of each of Hartree's contributions .. Extensive references to primary sources are provided, as is a complete listing of Hartree's publications." The International Meccanoman "This book presents not only the life and scientific achievements of Hartree but also shows some individuals who have recognized his contribution to their professional lives." Zentralblatt MATH '

[The Facts on File Chemistry Handbook](#) Oct 14 2021 Presents a basic reference guide to chemistry that includes a glossary, brief biographies, a chronology of important events in chemistry and a compendium of formulas.

[Fundamental Processes in Energetic Atomic Collisions](#) Apr 08 2021 In recent years, the impact of new experimental techniques (e.g., nuclear physics methods, availability of high-intensity light sources) as well as an increasing demand for atomic collision data in other fields of physics (e.g., plasma physics, astrophysics, laser physics, surface physics, etc.) have stimulated a renewed, strong interest in atomic collision research. Due to the explosive development of the various fields, scientists often even have difficulty in keeping up with their own area of research; as a result, the overlap between different fields tends to remain rather limited. Instead of having access to the full knowledge accumulated in other fields, one uses only the small fraction which at the moment seems to be of immediate importance to one's own area of interest. Clearly, many fruitful and stimulating ideas are lost in this way, causing progress to be made much more slowly than it could be. Atomic collision physics is no exception to this rule. Although it is of basic interest to many other areas, it is mostly regarded merely as a (nonetheless important) tool by which to gain additional information.

[Interactions of Photons and Neutrons with Matter](#) Nov 22 2019 This invaluable book is based on lecture notes developed for a one-semester graduate course entitled "Interaction of Radiation with Matter", taught in the Department of Nuclear Science and Engineering at the Massachusetts Institute of Technology. The main objective of the course is to teach enough quantum and classical radiation theory to allow students in engineering and the applied sciences to understand and have access to the vast literature on applications of ionizing and non-ionizing radiation in materials research. Besides presenting the fundamental physics of radiation interactions, the book devotes individual chapters to some of the important modern-day experimental tools, such as nuclear magnetic resonance, photon correlation spectroscopy, and the various types of neutron, x-ray, and light-scattering techniques. End-of-chapter problems have been added for the new edition, making the book more appropriate as a course textbook.

[Switched on Science](#) Jun 29 2020

[The American Journal of Science](#) May 21 2022

[Issues in Physiology, Cell Biology, and Molecular Medicine: 2011 Edition](#) Nov 27 2022 Issues in Physiology, Cell Biology, and Molecular Medicine: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Physiology, Cell Biology, and Molecular Medicine. The editors have built Issues in Physiology, Cell Biology, and Molecular Medicine: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Physiology, Cell Biology, and Molecular Medicine in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Physiology, Cell Biology, and Molecular Medicine: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

[Sustainable Practices in Geoenvironmental Engineering, Second Edition](#) Sep 13 2021 In the seven years since the publication of the first edition of Sustainable Practices in Geoenvironmental Engineering, the combination of population growth and increased exploitation of renewable and non-renewable natural resources has added increased stresses on the quality and health of the geoenvironment. This is especially true when viewed in the context of the growing demand for food and shelter, energy and mineral resources, and their resultant effects on the natural capital of the geoenvironment. Completely revised and updated, this second edition of a bestseller introduces and discusses the concept of "stressors" and their impacts on the geoenvironment. See What's New in the Second Edition: Clear definition of the geoenvironment; New tools and remediation technologies, new management methods for geohazards, and enhanced coverage of social and economic sustainability; Innovative approaches and techniques for reaching geoenvironmental sustainability; More detail on treatment technologies, both in situ and ex situ; Discussion on the mitigation of geohazards; Additional sections to discuss sustainability assessment protocols; Updated information on models for prediction of contaminant behavior; The authors explore the technologies that take into account targets, exposure routes (if applicable), future land use, acceptable risks, legislation, and resultant emissions/discharges in establishing the criteria and tools for evaluating technologies and protocols for environmental management of the impacted land. They then discuss how to choose the correct ones to use in different situations to protect the quality and health of natural resource and capital of the geoenvironment and ensure that these geoenvironmental natural resources and capital remain available for future generations and to develop innovative and sustainable techniques to make land more stable and safer.

[Science Progress](#) Apr 20 2022 Includes book reviews.

[Bulletin of the Atomic Scientists](#) Dec 24 2019 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security. Founded by Manhattan Project Scientists, the Bulletin's iconic "Doomsday Clock" stimulates solutions for a safer world.

[Year-Book of the Scientific and Learned Societies of Great Britain and Ireland, Vol. 21](#) Jul 31 2020 Excerpt from Year-Book of the Scientific and Learned Societies of Great Britain and Ireland, Vol. 21: A Record of the Work Done in Science, Literature and Art, During the Session 1903-1904, by Numerous Societies and Government Institutions The law OF land. By H. S. Theobald, m.a., of the Inner Temple one of His Majesty's Counsel, and formerly Fellow of Wadham College, Oxford Author of A Concise Treatise on the Law of Wills. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

[Bulletin of the Atomic Scientists](#) May 09 2021 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security. Founded by Manhattan Project Scientists, the Bulletin's iconic "Doomsday Clock" stimulates solutions for a safer world.

[Advances in Ovum Research and Application: 2012 Edition](#) Oct 26 2022 Advances in Ovum Research and Application / 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Ovum. The editors have built Advances in Ovum Research and Application / 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Ovum in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Advances in Ovum Research and Application / 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

[Principles of Radiation Interaction in Matter and Detection](#) Jul 23 2022 The fourth edition of this book has been widely revised. It includes additional chapters and some sections are complemented with either new ones or an extension of their content. In this latest edition a complete treatment of the physics and properties of semiconductors is presented, covering transport phenomena in semiconductors, scattering mechanisms, radiation effects and displacement damages. Furthermore, this edition presents a comprehensive treatment of the Coulomb scattering on screened nuclear potentials resulting from electrons, protons, light- and heavy-ions — ranging from (very) low up to ultra-relativistic kinetic energies — and allowing one to derive the corresponding NIEL (non-ionizing energy-loss) doses deposited in any material. The contents are organized into two parts: Chapters 1 to 7 cover Particle Interactions and Displacement Damage while the remaining chapters focus on Radiation Environments and Particle Detection. This book can serve as reference for graduate students and final-year undergraduates and also as supplement for courses in particle, astroparticle, space physics and instrumentation. A section of the book is directed toward courses in medical physics. Researchers in experimental particle physics at low, medium, and high energy who are dealing with instrumentation will also find the book useful. Contents: Particle Interactions and Displacement Damage; Introduction; Electromagnetic Interaction of Charged Particles in Matter; Photon Interaction and Electromagnetic Cascades in Matter; Nuclear Interactions in Matter; Physics and Properties of Silicon Semiconductor; Transport Phenomena in Semiconductors; Radiation Effects and Displacement Damage in Semiconductors; Radiation Environments and Particle Detection; Radiation Environments and Damage in Semiconductors; Scintillating Media and Scintillator Detectors; Solid State Detectors; Displacement Damages and Interactions in Semiconductor Devices; Gas Filled Chambers; Principles of Particle Energy Determination; Superheated Droplet (Bubble) Detectors and CDM Search; Medical Physics Applications; Appendices: General Properties and Constants; Mathematics and Statistics; Readership: Researchers, academics, graduate students and professionals in accelerator, particle, astroparticle, space, applied and medical physics. Key Features: Exceptional large coverage of the different types of detectors used in particle and nuclear physics and their principles of detection; Keywords: Radiation Interaction in Matter; Solid State Detectors; Scintillator Detectors; Gas Filled Chamber Detectors; Energy Determination; Dark Matter; Double Beta Decay; Processes of Energy Deposition; Radiation Damages; Medical

