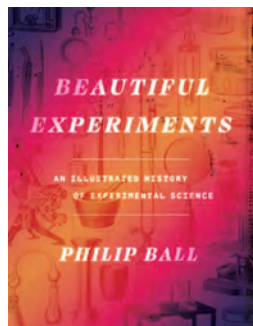


NEW BOOKS & MEDIA



Beautiful Experiments

An Illustrated History of Experimental Science

Philip Ball

U. Chicago Press, 2023. \$35.00

Although experimentation is arguably the backbone of modern science, historians of science have often tended to focus their studies on theoretical developments. The science writer Philip Ball aims to rectify that disparity in his new book *Beautiful Experiments*, which outlines 60 investigations carried out from antiquity to the present day. Ball groups the experiments into six chapters, each of which focuses on themes, including the behavior of organisms, the nature of light, and the nature of life. He complements those efforts with five meditative interludes that delve into philosophical or aesthetic topics relating to experimentation, such as how to define an experiment, why thought experiments are useful, and what scientists mean when they say an experiment is beautiful. The richly illustrated book is a treat for the eyes. —RD

The Launch Party

Lauren Forry

Zaffre, 2023. \$6.99 (ebook)

In this sci-fi twist on the classic locked-room mystery, 10 people have won the chance to spend two weeks in the first hotel on the Moon. The first hint of trouble comes almost immediately upon arrival, when they discover that they are alone in the hotel—there's no clerk at the front desk nor bellhops in the lobby, and the spaceship that brought them there has departed. Because a scrumptious meal has been laid out on the buffet and the bar is fully stocked, the guests assume it's a publicity stunt and that they are to proceed as normal—until one of them is found murdered. Fortunately, Detective Penelope Strand of Scotland Yard's murder squad is among the guests, and she initiates an investigation while they await a rescue party from Earth. —CC



TENURE-TRACK ASSISTANT PROFESSOR

The University of Maryland, Baltimore County (UMBC) Department of Physics invites applications for a **tenure-track assistant professor in experimental quantum information science**, broadly defined, to begin in or before August 2024. Candidates should have a PhD in Physics or a closely related field. We seek candidates who have the capacity to establish a vigorous, externally funded research program and who will also contribute to the diversity and excellence of the department in teaching, mentoring, and service. Interested candidates should upload an application letter, a CV, detailed research and teaching plans, a statement of commitment to inclusive excellence in higher education, and the names and addresses of at least three references on the Interfolio website at <http://apply.interfolio.com/127322>. Applications will be received until a suitable candidate is identified. Applications submitted by November 15, 2023 will receive full consideration.

Assistant Professor of Physics *High Energy Theory*

The Department of Physics at the University of Wisconsin–Madison invites applications for a tenure-track faculty position in the area of theoretical high energy physics. We encourage applicants who are doing relevant research in theoretical high energy physics, including particle theory and phenomenology in and beyond the standard model, as well as string theory and quantum gravity and their connections to other areas of physics.

The successful candidate will have the opportunity to collaborate with existing high energy physics researchers at UW–Madison. The candidate will be expected to teach at all levels, conduct high-impact scholarly research, and provide service to the department, college, university and academic community nationally or internationally. A Ph.D. in physics and one year postdoctoral experience with specialization in theoretical high energy physics is required prior to the appointment start date.

To ensure full consideration, apply by December 4, 2023. Visit go.wisc.edu/HETfaculty





The Little Book of Exoplanets

Joshua Winn

Princeton U. Press, 2023. \$22.95

Since the 1990s, thousands of exoplanets have been detected. They run the gamut from Earthlike planets to exotic worlds far different from any in our solar system. In *The Little Book of Exoplanets*, astrophysicist Joshua Winn discusses what has been learned about exoplanets so far and the techniques used to make those discoveries, as well as current theories concerning planet formation, examples of unusual exoplanet systems, and predictions about what new technologies and spacecraft may discover. Aimed at the nonspecialist, the book provides a brief overview of the field while keeping mathematical equations and technical language to a minimum. —CC

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Karlsruhe Institute of Technology

Karlsruhe Institute of Technology (KIT) – The Research University in the Helmholtz Association creates and imparts knowledge for the society and the environment. It is our goal to make significant contributions to mastering the global challenges of mankind in the fields of energy, mobility, and information. For this, more than 9,000 employees of KIT cooperate in a broad range of disciplines in research, academic education, and innovation.

The Division V - Physics and Mathematics, KIT Department of Physics offers for the earliest possible date a tenured

University Professorship (W3) "Applied Physics"

We seek a qualified experimental physicist, in particular in the field of quantum optics based on condensed-matter systems and related areas. Your research could include, for example, optical quantum technologies, photonics, optical spectroscopy, with materials such as two-dimensional semiconductors or molecular systems, and the realization of micro- and nano-photon hybrid devices or integrated systems. KIT offers a range of coordinated research activities. Your participation in these activities is strongly encouraged.

You will be part of the board of directors of the Institute of Applied Physics and assume responsibilities in the academic self-administration. You are expected to take over university duties and cover a teaching load of 9 hours weekly during the semester, which includes teaching at all levels of the undergraduate and graduate curriculum (eventually in German) and to supervise bachelor, master and Ph.D. students. You have a Habilitation degree or possess equivalent scientific and teaching qualifications.

The terms of employment are listed in § 14 (2) KIT Gesetz in conjunction with § 47 Landeshochschulgesetz (LHG) of the State of Baden-Württemberg. An upper age limit for an appointment as civil servant for life follows from § 48 Landeshaushaltsordnung Baden-Württemberg.

As a family-friendly university, KIT offers part-time employment, leaves of absence, a dual-career service and coaching to support the work-life balance.

We prefer to balance the number of employees (f/m/d). Therefore we encourage female applicants to apply for this job.

Recognized severely disabled persons will be preferred if they are equally qualified.

Qualified candidates should submit the usual documents (including a curriculum vitae, a research plan, presentation of previous and planned teaching, and a list of publications) until **October 31, 2023** using the vacancy number 2222/2023 to: Bereich V, Dekanat der KIT-Fakultät für Physik, Karlsruher Institut für Technologie (KIT), 76128 Karlsruhe, Germany, preferably by email as a single document in pdf-format, to dekanat@physik.kit.edu. For further information, please contact Prof. Dr. David Hunger, email: david.hunger@kit.edu.

Your personal data will be processed by KIT in accordance with our privacy policy: kit.edu/privacypolicy.php.

You can find further information on the internet: www.kit.edu

KIT – The Research University in the Helmholtz Association

Ice

From Mixed Drinks to Skating Rinks—A Cool History of a Hot Commodity

Amy Brady

G. P. Putnam's Sons, 2023. \$29.00

Until about 150 years ago, ice was generally available only to those who lived in cold climates. In her new book, journalist and historian Amy Brady discusses the meteoric rise of the ice industry in the

US, due in part to innovations in transportation and manufacturing but mostly to the efforts of ambitious entrepreneurs whose extensive marketing efforts spurred consumer demand. Brady discusses the harvesting of ice from lakes and rivers; ice's importance in food and drink, medicine, and sports; and some of the surprising ways it has impacted American culture, including the shortening of women's skirts and the creation of such business chains as 7-Eleven. —CC



The Underworld

Journeys to the Depths of the Ocean

Susan Casey

Doubleday, 2023. \$32.00

In *The Underworld*, journalist Susan Casey—not only a writer but also a competitive swimmer and scuba diver—takes the reader to the deepest parts of Earth's ocean. Having traveled all over the world and joined

crews on multiple deep-sea missions, Casey vividly depicts the thrills and dangers of voyaging into the ocean's abyss and profiles some of the intrepid explorers who have participated in such ventures. Through her first-hand accounts and engaging prose, Casey draws the reader into a world of exploration as magical and awe-inspiring as that of the NASA astronauts in the early days of the space program. —CC 

