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EBOOK: Positive Psychology and the Body: The somatopsychic side to flourishing
Apollo in Perspective
Handbook of Leisure, Physical Activity, Sports, Recreation and Quality of Life
Body Composition
Atherosclerosis: Diet and Drugs
Livestock Handling and Transport, 5th Edition
From Brain to Body: The Impact of Nervous System Declines on Muscle Performance in Aging
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Mindful Universe
Biology: The Dynamic Science
Physical Activity and Health
Infant and Child Nutrition, Physical Activity, Oxidative Stress and Inflammatory Signaling
Exercise and Physical Activity: From Health Benefits to Fitness Crazes
Oceanography and Marine Biology
Physical Activity, Health Equity and Health-Related Outcomes
Prevention of Pressure Sores
Galapagos Giant Tortoises

SUTTON GARRETT

Gothic Art 1140-c. 1450 Imprensa da Universidade de Coimbra / Coimbra University Press
Apollo in Perspective: Spaceflight Then and Now takes a retrospective look at the Apollo space program and the technology that was used to land a man on the Moon. Using simple illustrations and school-level mathematics, Jonathan Allday explains the basic physics and technology of spaceflight and conveys the huge technological strides that were made and the dedication of the people working on the program. Physics topics covered include the laws of motion, rocketry, how to maneuver in orbit, and more. Informal and engaging, the book also discusses the designs of the Apollo Command, Service and Lunar modules and how these changed as the plans for the manned mission evolved. Guidance systems, computers, and engines all had to be developed for the first time. With Apollo as background, the book proceeds to look at the space shuttle, the technology being developed for its replacement, the International Space Station, and the possibilities for a manned Mars mission. The book concludes with an exploration of the far future, including Mars colonies and journeys to other stars.
EBOOK: Positive Psychology and the Body: The somatopsychic side to flourishing Cengage Learning
Download PDF Download EPUB The deterioration of skeletal muscle performance (e.g., declines in muscle strength and motor

performance) with advancing age has long been anecdotally recognized as Shakespeare pointed out nearly a half millennium ago in his monologue The Seven Ages of Man, and has been of scientific interest for well over a century. Over the past several decades the scientific and medical communities have recognized that reduced skeletal muscle performance is a debilitating and life threatening condition in the elderly. For example, the age-associated loss of muscle strength, as well as impairment in the ability to finely control movement, is highly associated with physical disability and difficulty performing activities of daily living. While the nervous system is widely recognized for its role in controlling skeletal muscle during motor function, its role in determining the performance characteristics of aged skeletal muscle has largely been understudied. Historically, it was believed that these reductions in muscle performance were primarily resultant of age-associated adaptations in skeletal muscle (e.g., muscle atrophy). However, aging is associated with widespread qualitative and quantitative changes in both the central and peripheral nervous systems that are likely to influence numerous aspects of muscle performance, such as muscle strength, fatigue, and motor control, as well as mobility. In this research topic, we sought to examine a broad range of issues surrounding: 1) the age-related changes in nervous system anatomical, physiological, and biochemical changes in the central and/or peripheral nervous systems; 2) the functional role of these nervous system changes in contributing to altered skeletal muscle performance and/or mobility; and 3) physical and pharmacologic interventions that act via the nervous system to enhance muscle performance and/or mobility. Researchers and academicians engaged in aging, neuroscience, and/or applied physiology research focused within the scope of this research topic, were encouraged to contribute an original research article, review article, clinical case study, hypothesis and theory article, method article, opinion article, or technology report to this research topic. Herein, we present a series of outstanding articles within this scope of work, including a last minute addition article from Wiesmeier, Dalin and Maurer that is not mentioned in the editorial, that we hope will help to vertically advance the intersecting fields of aging/geriatrics and neuroscience. Lastly, as the editors, we wish to thank all article contributors and peer reviewers for their efforts in contributing to this Research Topic journal issue/book. Additionally, we would like to thank people everywhere who volunteer their time and body for human subjects research studies, such that are presented herein. It is the wonderful individuals who are willing to participate in experiments that make scientific exploration and health and medical advancements possible.

Apollo in Perspective Metuchen, N.J. : Scarecrow Press

This unique book is the first of its kind to specifically explore the science, medicine, challenges and successful experiences of assisting those who must perform and thrive in hot conditions, with an eye toward maximizing both performance and safety. Beginning with both human and comparative physiology as it relates to coping with the heat, key concepts are subsequently elaborated, including heat acclimatization, work-to-rest ratios, hydration, sleep, the effects of altitude, and the use of drugs and supplements. The sections that follow discuss heat-related considerations in individual and team sports and other

populations, monitoring techniques, and medical and legal issues. Athletes, warfighters and laborers are often forced to perform intense physical activity in the heat as a part of their jobs or lifestyle. The process of properly preparing for this challenge is multifaceted and often not fully understood or utilized. Sport and Physical Activity in the Heat is an excellent resource for team physicians, high-level coaches, serious athletes, athletic trainers, exercise scientists, strength and conditioning coaches, industrial hygienists, military commanders, or anyone involved in the process of maximizing performance and safety during exercise in the heat for the athlete, warfighter, or laborer.

Handbook of Leisure, Physical Activity, Sports, Recreation and Quality of Life CRC Press

An anthology offering a chronological assessment of a whole range of technical documents on art written by and for clerks, laymen, churchmen, lawyers, city magistrates, and guilds, this text reveals differences in milieu, customs , resources and psychology during different periods. First Published in 1971 by Prentice Hall.

Body Composition Springer

Vols. 17, 21-105 contain Annual reports of the Marine Biological Laboratory for 1907/08-1952.

Atherosclerosis: Diet and Drugs Human Kinetics

Cardiovascular diseases continue to be the leading cause of death in the - jority of industrialized countries. The most frequent underlying pathology, namely atherosclerosis, and its clinical sequelae, namely coronary heart d- ease, cerebrovascular disease and peripheral artery disease, remain common although for a long time we have been made aware of avoidable or mo-?able etiological factors such as smoking, fat-rich diet or lack of exercise, and although these adverse lifestyle factors have been extensively addressed by population-wide primary prevention programs. Cardiovascular morbidity and mortality also remain high despite successful anti-hypertensive and lipid lowering drug therapies which help to reduce cardiovascular morbidity and mortality by about 30% in both secondary and tertiary prevention settings. This can partly be explained by the increasing life expectancy and growing p- portionofelderly people,especiallyinEuropeandNorthAmerica. Inaddition, the World Health Organization makes the alarming prediction that probably in response to the spreading of western dietary behavior and lack of exercise resulting in an increasing prevalence of diabetes, dyslipidemia and hypert- sion, cardiovascular diseases rather than infectious diseases will become the most frequent cause of death worldwide. This volume of the Handbook of Experimental Pharmacology entitled “Atherosclerosis” is divided into four parts and intends to give an overview on the pathogenesis of atherosclerosis, established treatment and prevention regimen, and of perspectives for the development of new treatment modalities.

Livestock Handling and Transport, 5th Edition Singing Dragon

Promotes value of lifelong moderate exercise.

From Brain to Body: The Impact of Nervous System Declines on Muscle Performance in Aging Frontiers Media SA

Inverse Problems in Scattering exposes some of the mathematics which has been developed in attempts to solve the one-dimensional inverse scattering problem. Layered media are treated in Chapters 1--6 and quantum mechanical models in

Chapters 7--10. Thus, Chapters 2 and 6 show the connections between matrix theory, Schur's lemma in complex analysis, the Levinson--Durbin algorithm, filter theory, moment problems and orthogonal polynomials. The chapters devoted to the simplest inverse scattering problems in quantum mechanics show how the Gel'fand--Levitan and Marchenko equations arose. The introduction to this problem is an excursion through the inverse problem related to a finite difference version of Schrödinger's equation. One of the basic problems in inverse quantum scattering is to determine what conditions must be imposed on the scattering data to ensure that they correspond to a regular potential, which involves Lebesque integrable functions, which are introduced in Chapter 9.

Cumulated Index Medicus Frontiers Media SA

Creativity has the potential to improve quality of life. It can also be conceived as a tool in educational and rehabilitation settings. Therefore, it is the aim of this Research Topic to further show how creativity can be used and encourage the application of creativity in pedagogical and clinical contexts.

Physical activity and health CABI

"Physical inactivity is not only an individual's personal problem but is identified as a serious public health issue. Prolonged inactivity that occurs among many elderly persons tends to lead into a gradual decrease in all components of physical fitness, t"

Highlights in physical activity in the prevention and management of disease: 2021/22 Frontiers Media SA

Publisher description

Physical Activity and Health: A Report of the Surgeon General CRC Press

Edited by world-renowned animal scientist Dr Temple Grandin, this practical book integrates scientific research and industry literature on cattle, pigs, poultry, sheep, goats, deer, and horses, in both the developed and developing world, to provide a practical guide to humane handling and minimizing animal stress.

Creativity: Education and Rehabilitation McGraw-Hill Education

Readership This book is devoted to the study of compiler transformations that are needed to expose the parallelism hiddenin a program. This book is notan introductory book to parallel processing, nor is it an introductory book to parallelizing compilers. Weassume thatreaders are familiar withthebooks High Performance Compilers for Parallel Computingby Wolfe [121] and Super compilers for Parallel and Vector Computers by Zima and Chapman [125], and that they want to know more about scheduling transformations. In this book we describe both task graph scheduling and loop nest scheduling. Taskgraphschedulingaims atexecuting tasks linked by prece dence constraints; it is a run-time activity. Loop nest scheduling aims at ex ecutingstatementinstances linked bydata dependences;it is a compile-time activity. We are mostly interested in loop nestscheduling,butwe also deal with task graph scheduling for two main reasons: (i) Beautiful algorithms and heuristics have been reported in the literature recently; and (ii) Several graphscheduling, like list scheduling, are the basis techniques used in task ofthe loop transformations implemented in loop nest scheduling. As for loop nest scheduling our goal is to capture in a single place the fantastic developments of the last decade or so. Dozens of loop trans formations have been introduced (loop interchange, skewing, fusion, dis tribution, etc.)

before a unifying theory emerged. The theory builds upon the pioneering papers of Karp, Miller, and Winograd [65] and of Lam port [75], and it relies on sophisticated mathematical tools (unimodular transformations, parametric integer linear programming, Hermite decom position, Smithdecomposition, etc.).

Scheduling and Automatic Parallelization Frontiers Media SA

The book takes an integrated approach to pain rehabilitation and combines pain science, rehabilitation and yoga with evidence-based approaches from respected contributors. They demonstrate how to integrate the concepts, philosophies and practices of yoga and pain science in working with people in pain. An essential and often overlooked part of pain rehabilitation is listening to, working with, learning from, and validating the person in pain's lived experience. The book expounds on the movement to a more patient-valued, partnership-based biopsychosocial-spiritual model of healthcare where the patient is an active and empowered participant, as opposed to a model where the healthcare provider is 'fixing' the passive patient. It also explains how practitioners can address the entire human being in pain, and how to include the person as an expert for more effective and self-empowered care.

Standard Handbook of Broadcast Engineering Springer Science & Business Media

Here's an up-to-date, comprehensive review of surveillance and reconnaissance (S & R) imaging system modeling and performance prediction. This new, one-of-a-kind resource helps you predict the information potential of new surveillance system designs, compare and select from alternative measures of information extraction, relate the performance of tactical acquisition sensors and surveillance sensors, and understand the relative importance of each element of the image chain on S& R system performance. It provides you with system descriptions and characteristics, S& R modeling history, and performance modeling details.

Yoga and Science in Pain Care University of Toronto Press

New digital transmission systems are rapidly changing the broadcast industry and creating a demand for engineers who possess the proper technical skills. This comprehensive handbook explains DTV (digital TV) and DAR (digital audio radio) within the context of pre-existing radio and TV technologies, provides key equations and reference data used in the design, specification, and installation of broadcast transmission systems.

The Biological Bulletin Springer Science & Business Media

The classical mechanistic idea of nature that prevailed during the eighteenth and nineteenth centuries was essentially mindless: the physically described aspects of nature were asserted to be completely determined by prior physically described aspects alone, with conscious experiences entering only passively. In the last century these classical concepts were found inadequate. In the new quantum mechanics theory, conscious experiences enter into the dynamics in specified ways not fixed by physically described aspects alone.

National Directory of Nonprofit Organizations DIANE Publishing

This updated Fifth Edition of BIOLOGY: THE DYNAMIC SCIENCE teaches Biology the way scientists practice it by emphasizing and applying science as a process. You learn not only what scientists know, but how they know it and what they still need to learn. The

authors explain complex ideas clearly and describe how biologists collect and interpret evidence to test hypotheses about the living world. Throughout the learning process, this powerful resource engages students, develops quantitative analysis and mathematical reasoning skills and builds conceptual understanding. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Official Gazette of the United States Patent and Trademark Office ABC-CLIO

Interest in the relationships between body structure and function in physical activity has persisted for centuries. Body Composition: Health and Performance in Exercise and Sport advances understanding beyond simple descriptions of body physique and composition of athletes and fills gaps in our understanding of the important role of muscle, fat, and bone in facilitating physical performance and health in sports and physically demanding occupations. lt addresses basic, practical, and applied topics in body composition, performance, and health with comprehensive reviews organized in four logical parts: Body Composition Assessment; Physical Activity and Body Composition; Body Composition in Sports and Occupations; and Moderating Factors. This book integrates state-of-the-art knowledge by international experts in the field and produces an evidence-based practical guide for a balanced understanding of the role and use of body composition assessment in physical performance and health for youth and adults. It also provides a needed link between the practice of body composition assessment and its application by members of public health advisory committees that develop national guidelines for diet, physical activity, and health. This book is suitable for students and professionals in sports nutrition, exercise science, kinesiology, and athletic training. Sport administrators and policy-makers for international and national sport federations and organizations, and national intercollegiate and scholastic federations, would also benefit from this book.

Growth and maturation in human biology and sports CRC Press

Galapagos Giant Tortoises brings together researchers and conservationists to share the most up-to-date knowledge of Galapagos giant tortoises. Despite being icons of the world-famous Galapagos Archipelago and the target of more than 50 years of conservation research and management, Galapagos giant tortoise evolution and much of their ecology remained unknown until recently. This book documents the history, the pressing conservation issues, and success stories recovering several of the 15 different species of Galapagos tortoises from near extinction. The book begins with an overview of the history of the relationship between humans and Galapagos giant tortoises, starting from initial heavy exploitation of tortoises by pirates and whalers, and extending to the start of the modern conservation era in the 1960s. The book then shifts to biology, describing Galapagos tortoise evolution, taxonomy, ecology, habitats, reproduction, and behavior. Next the decades of conservation efforts and their results are reviewed, including issues of captive breeding, invasive species, introduced diseases, and de-extinction, as well as the current status and distribution of every species. The final portion of the book turns to four case studies of restoration, and then looks ahead to the future of all tortoise populations.The latest volume in the Biodiversity of the

World: Conservation from Genes to Landscape series, Galapagos Giant Tortoises is a valuable resource for researchers and conservationists, as well as students of biology, wildlife conservation, and herpetology. Provides a comprehensive overview of the Galapagos giant tortoise species as written and edited by the world’s leading experts Presents examples of restoration of tortoise populations following the near extinction of many of them Describes conservation strategies to ensure the full recovery of all extant species Explores recent efforts using replacement tortoises for extinct species to restore island ecosystems