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Journal of Biological Education

The Necropsy Book

A Guide for Veterinary Students, Residents, Clinicians, Pathologists, and Biological Researchers

The Parahippocampal Region

Organization and Role in Cognitive Function

Oxford University Press, USA The recent dramatic advances in imaging technologies have enabled researchers to build on the evidence obtained from lesion and behavioural studies to propose a new range of functions for the parahippocampal region. It is now possible to image the region in healthy human subjects and to define the pathological changes occurring during the early phases of a range of neurologic and psychiatric conditions. The results have uncovered evidence suggesting that the region plays an important role in the higher cognitive processes of learning and memory, and in specific brain diseases, including Alzheimer's disease, schizophrenia and epilepsy, as well as in the aging process itself. The Parahippocampal Region: Organization and Role in Cognitive Functions examines the architecture and activity of this section of the temporal lobe, describes the systems active in memory, perception and behaviour, and outlines the significance of its involvement in the progress of a range of disease states. It provides an overview of our current basic and clinical knowledge and a baseline for further expansion of the functional understanding of the region. With contributions from an international team of authors this book will be of interest to neuroscientists, researchers and practitioners from the fields of neuropsychology, neurology and psychiatry, as well as to students from these disciplines.

The Student's Journal

Of Mice and Men

Lulu.com Tells a story about the strange relationship of two migrant workers who are able to realize their dreams of an easy life until one of them succumbs to his weakness for soft, helpless creatures and strangles a farmer's wife.

Guide for the Care and Use of Laboratory Animals

Eighth Edition

National Academies Press A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

The Enteric Nervous System

Wiley-Blackwell Covers all aspects of the structure, function, neurochemistry, transmitter identification and development of the enteric nervous system This book brings together extensive knowledge of the structure and cell physiology of the enteric nervous system and provides an up-to-date synthesis of the roles of the enteric nervous system in the control of motility, secretion and blood supply in the gastrointestinal tract. It includes sections on the enteric nervous system in disease, genetic abnormalities that affect enteric nervous system function, and targets for therapy in the enteric nervous system. It also includes many newly created explanatory diagrams and illustrations of the organization of enteric nerve circuits. This new book is ideal for gastroenterologists (including trainees/fellows), clinical physiologists and educators. It is invaluable for the many scientists in academia, research institutes and industry who have been drawn to work on the gastrointestinal innervation because of its intrinsic interest, its economic importance and its involvement in unsolved health problems. It also provides a valuable resource for undergraduate and graduate teaching.

Photographic Atlas of the Rat Brain

The Cell and Fiber Architecture Illustrated in Three Planes with Stereotaxic Coordinates

Cambridge University Press The atlas is a set of photomicrographs of technically excellent sections of the brain of the laboratory rat. Each plate consists of matching cell and fiber stains labeled for neuronal groups and axonal tracts, respectively, with abbreviations directly on the appropriate structures and annotations explaining criteria, and other problems of nomenclature, for structures requiring commentary. Structures can be traced in photomicrographs in sagittal, horizontal, and transverse sections; the latter at 0.3 mm intervals, for both cell and fiber stains. The reasonable page size and sturdy binding renders the book suitable for use both at the laboratory bench and as a convenient reference. The text and tabular material provide guidance for the use of this atlas of the brain for stereotaxic placement of electrodes, or for destruction using cranial landmarks. The atlas will be useful to neuroscientists and psychologists who refer to the structure of the brain in their research and for students of brain anatomy in all biomedical fields.

WHO Guidelines for Indoor Air Quality

Selected Pollutants

World Health Organization This book presents WHO guidelines for the protection of public health from risks due to a number of chemicals commonly present in indoor air. The substances considered in this review, i.e. benzene, carbon monoxide, formaldehyde, naphthalene, nitrogen dioxide, polycyclic aromatic hydrocarbons (especially benzo[a]pyrene),

radon, trichloroethylene and tetrachloroethylene, have indoor sources, are known in respect of their hazardousness to health and are often found indoors in concentrations of health concern. The guidelines are targeted at public health professionals involved in preventing health risks of environmental exposures, as well as specialists and authorities involved in the design and use of buildings, indoor materials and products. They provide a scientific basis for legally enforceable standards.

Neuroscientific Foundations of Anesthesiology

Oxford University Press An invaluable resource for understanding the interfaces of neuroscience and anesthesiology, this book will help redefine the field of anesthesiology as a fundamentally neuroscientific field.

How Tobacco Smoke Causes Disease

The Biology and Behavioral Basis for Smoking-attributable Disease : a Report of the Surgeon General

U.S. Government Printing Office This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

Rat Dissection Manual

JHU Press

Rat: How the World's Most Notorious Rodent Clawed Its Way to the Top

Macmillan Examines the characteristics, physiology, habits, behavior, evolution, history, myth, and psyche of one of the world's most successful animals, in a study that explores the reasons why the ever adaptable rat has risen to the top of the animal kingdom. 10,000 first printing.

Brain Maps

Structure of the Rat Brain

Gulf Professional Publishing The core of this book is an atlas of the rat brain viewed from 73 representative transverse levels along its longitudinal axis. New to this edition is a second drawing of gray and white matter distribution that illustrates major features of gray matter regionalization in a color-coded way that is carried through the flatmaps of the rat CNS and the hierarchical nomenclature tables. Computer graphics files of the atlas and flatmaps are provided on the CD-ROM. They can be used to learn more about the structure of the brain, to map experimental results on standard or reference templates, to form databases of spatial information about the rat brain, and to create 3-D models.

Cat Dissection

A Laboratory Guide

Wiley The laboratory guide directs readers through a series of dissection activities for use in the lab accompanied by new, full color photos and figures. The guide can be used as a stand-alone dissection guide or in conjunction with any Anatomy and Physiology Laboratory Manual.

Atlas of the Developing Rat Nervous System

In response to the explosion of research in developmental neurobiology, this new edition of the Atlas of the Developing Rat Brain has been expanded to include all of the plates and diagrams of the previous book, PLUS an additional 95 plates and 95 diagrams delineating the entire rat nervous system. Atlas of the Developing Rat Nervous System features large, high-magnification photographs of serial brain sections of the embryonic and neonatal laboratory rat, with opposing fully labeled diagrams. Complementing the classic atlas by Paxinos and Watson, The Rat Brain in Stereotaxic Coordinates, Second Edition (Academic Press, 1986), this new atlas is the standard reference for developmental neuroscientists. Key Features * Provides section-by-section photographs and accompanying labeled diagrams of the embryonic and neonatal rat brain * Shows brain development at Embryonic Days 14 (Whole embryo), 16, 17, and 19, as well as Postnatal Day 0 * Delineates nerves, ganglia, arteries, veins, bones, and foramina of the head on Embryonic Days 14 and 19 * Depicts 912 brain structures or their primordial counterparts * Large size in an easy-to-use, spiral-bound format * Includes a full list of abbreviations, index of structures, and references * 224 photographs alongside meticulously drawn diagrams depict the central and peripheral nervous system and other body organs * Depicts ages E14, E16, and E19 in the customary coronal and sagittal planes and E17 and P0 in the coronal plane

The National Druggist

The Software Encyclopedia

Notes on Nursing

What it Is, and what it is Not

Outspoken writings by the founder of modern nursing record fundamentals in the needs of the sick that must be provided in all nursing. Covers such timeless topics as ventilation, noise, food, more.

Little Rat Makes Music

Harcourt Childrens Books Little Rat loves the violin but hates to practice, until her teacher suggests she perform a duet with one of the advanced students at the holiday concert.

Molecular Biology of the Cell

The Brain That Changes Itself

Stories of Personal Triumph from the Frontiers of Brain Science

Penguin UK An introduction to the science of neuroplasticity recounts the case stories of patients with mental limitations or brain damage whose seemingly unalterable conditions were improved through treatments that involved the thought re-alteration of brain structure.

The Laboratory Rat

Biology and Diseases

Elsevier The Laboratory Rat, Volume I: Biology and Diseases focuses on the use of rats in specific areas of research, ranging from dental research to toxicology. The first part of this book retraces the biomedical history of early events and personalities involved in the establishment of rats as a leading laboratory animal. The taxonomy, genetics and inbred strains of rats are also elaborated. The next chapters illustrate the hematology, clinical biochemistry, and anatomical and physiological features of the laboratory rat. This text concludes with a description of infectious diseases that may be contracted from laboratory and/or wild rats. This volume is a good source for commercial and institutional organizations involved in producing rats for research use, specialists in laboratory animal, animal care and research technicians, as well as students in graduate and professional curricula.

Guidance on the Operation of the Animals (Scientific Procedures) ACT 1986

Anchor Books

Rats

Observations on the History & Habitat of the City's Most Unwanted Inhabitants

Bloomsbury Pub Plc USA The author dispenses rat facts and rat stories, looking into the history of rats, and describes how, with the aid of a notebook and night-vision gear, he sat nightly in a garbage-filled alley getting to know the wild city rat.

The Coachman Rat

Carroll & Graf Pub Tells the story of Cinderella from the point of view of Robert, a rat who is turned into the coachman for one night--yet after he returns to his animal form, he retains his power of speech, and a chain of surprising events follows

A Stainless Steel Rat is Born

Spectra

Experiments and Observations on Different Kinds of Air

Human Anatomy

Human Anatomy, Media Update, Sixth Edition builds upon the clear and concise explanations of the best-selling Fifth Edition with a dramatically improved art and photo program, clearer explanations and readability, and more integrated clinical coverage. Recognized for helping students establish the framework needed for understanding how anatomical structure relates to function, the text's engaging descriptions now benefit from a brand-new art program that features vibrant, saturated colors as well as new side-by-side cadaver photos. New Focus figures have been added to help students grasp the most difficult topics in anatomy. This is the standalone book. If you want the package order this ISBN: 0321753267 / 9780321753267 Human Anatomy with MasteringA&P(TM), Media Update Package consists of: 0321753275 / 9780321753274 Human Anatomy, Media Update 0321754182 / 9780321754189 Practice Anatomy Lab 3. 0321765079 / 9780321765079 MasteringA&P with Pearson eText Student Access Code Card for Human Anatomy, Media Update 0321765648 / 9780321765642 Wrap Card for Human Anatomy with Practice Anatomy Lab 3.0, Media Update 080537373X / 9780805373738 Brief Atlas of the Human Body, A

The Rat Brain in Stereotaxic Coordinates

The Rat Brain in Stereotaxic Coordinates, Fourth Edition, is a comprehensive revision of the most authoritative and widely cited atlas in neuroscience. In addition to the completely revised coronal diagrams, the Fourth Edition contains thoroughly revised sagittal and horizontal diagrams of the brain. High-quality photographs accompany each diagram.

The Things They Carried

HarperCollins UK The million-copy bestseller, which is a ground-breaking meditation on war, memory, imagination, and the redemptive power of storytelling.

Mrs. Frisby and the Rats of NIMH

Library Reproduction Services Mrs. Frisby, a widowed mouse with four small children, is faced with a terrible problem. She must move her family to their summer quarters immediately, or face almost certain death. But her youngest son, Timothy, lies ill with pneumonia and must not be moved. Fortunately, she encounters the rats of NIMH, an extraordinary breed of highly intelligent creatures, who come up with a brilliant solution to her dilemma. And Mrs. Frisby in turn renders them a great service.

"A" Dictionary of the English Language

Founded on that of Samuel Johnson as Edited by H. J. Todd ; with Numerous Emendations and Additions ; in Two Volumes. ABAC - CORP. 1, 1

The Jungle

Youcanprint The Jungle is a 1906 novel written by the American journalist and novelist Upton Sinclair (1878-1968). Sinclair wrote the novel to portray the lives of immigrants in the United States in Chicago and similar industrialized cities. Many readers were most concerned with his exposure of health violations and unsanitary practices in the American meatpacking industry during the early 20th century, based on an investigation he did for a socialist newspaper. The book depicts working class poverty, the lack of social supports, harsh and unpleasant living and working conditions, and a hopelessness among many workers. These elements are contrasted with the deeply rooted corruption of people in power. A review by the writer Jack London called it, "the Uncle Tom's Cabin of wage slavery." Sinclair was considered a muckraker, or journalist who exposed corruption in government and business. He first published the novel in serial form in 1905 in the Socialist newspaper, Appeal to Reason, between February 25, 1905, and November 4, 1905. In 1904, Sinclair had spent seven weeks gathering information while working incognito in the meatpacking plants of the Chicago stockyards for the newspaper. It was published as a book on February 26, 1906 by Doubleday and in a subscribers' edition.

Environmental Health Perspectives

EHP.

How People Learn

Brain, Mind, Experience, and School: Expanded Edition

National Academies Press First released in the Spring of 1999, How People Learn has been expanded to show how the theories and insights from the original book can translate into actions and practice, now making a real connection between classroom activities and learning behavior. This edition includes far-reaching suggestions for research that could increase the impact that classroom teaching has on actual learning. Like the original edition, this book offers exciting new research about the mind and the brain that provides answers to a number of compelling questions. When do infants begin to learn? How do experts learn and how is this different from non-experts? What can teachers and schools do with curricula, classroom settings, and teaching methods--to help children learn most effectively? New evidence from many branches of science has significantly added to our understanding of what it means to know, from the neural processes that occur during learning to the influence of culture on what people see and absorb. How People Learn

examines these findings and their implications for what we teach, how we teach it, and how we assess what our children learn. The book uses exemplary teaching to illustrate how approaches based on what we now know result in in-depth learning. This new knowledge calls into question concepts and practices firmly entrenched in our current education system. Topics include: How learning actually changes the physical structure of the brain. How existing knowledge affects what people notice and how they learn. What the thought processes of experts tell us about how to teach. The amazing learning potential of infants. The relationship of classroom learning and everyday settings of community and workplace. Learning needs and opportunities for teachers. A realistic look at the role of technology in education.

The Athenaeum

Blek Le Rat

Getting Through the Walls

A unique view of the life and work of one of the most elusive yet most applauded and influential figures in the world of street art from the past twenty years.

The Financial Crisis Inquiry Report

The Final Report of the National Commission on the Causes of the Financial and Economic Crisis in the United States Including Dissenting Views

Cosimo, Inc. The Financial Crisis Inquiry Report, published by the U.S. Government and the Financial Crisis Inquiry Commission in early 2011, is the official government report on the United States financial collapse and the review of major financial institutions that bankrupted and failed, or would have without help from the government. The commission and the report were implemented after Congress passed an act in 2009 to review and prevent fraudulent activity. The report details, among other things, the periods before, during, and after the crisis, what led up to it, and analyses of subprime mortgage lending, credit expansion and banking policies, the collapse of companies like Fannie Mae and Freddie Mac, and the federal bailouts of Lehman and AIG. It also discusses the aftermath of the fallout and our current state. This report should be of interest to anyone concerned about the financial situation in the U.S. and around the world. THE FINANCIAL CRISIS INQUIRY COMMISSION is an independent, bi-partisan, government-appointed panel of 10 people that was created to "examine the causes, domestic and global, of the current financial and economic crisis in the United States." It was established as part of the Fraud Enforcement and Recovery Act of 2009. The commission consisted of private citizens with expertise in economics and finance, banking, housing, market regulation, and consumer protection. They examined and reported on "the collapse of major financial institutions that failed or would have failed if not for exceptional assistance from the government." News Dissector DANNY SCHECHTER is a journalist, blogger and filmmaker. He has been reporting on economic crises since the 1980's when he was with ABC News. His film In Debt We Trust warned of the economic meltdown in 2006. He has since written three books on the subject including Plunder: Investigating Our Economic Calamity (Cosimo Books, 2008), and The Crime Of Our Time: Why Wall Street Is Not Too Big to Jail (Disinfo Books, 2011), a companion to his latest film Plunder The Crime Of Our Time. He can be reached online at www.newsdissector.com.

B.A.S.I.C.