Nerve Enewton Narrativa

NervePenguin

A heartracing thriller from the New York Times bestselling author of NERVE, the book that launched the major motion picture! Aislyn suffers from crippling shyness—that is, until she's offered a dose of Charisma, an underground gene therapy drug guaranteed to make her shine. The effects are instant. She's charming, vivacious, and popular. But strangely, so are some other kids she knows. The media goes into a frenzy when the disease turns contagious, and then deadly, and the doctor who gave it to them disappears. Aislyn must find a way to stop it, before it's too late. Part medical thriller, part social justice commentary, Charisma will have readers on the edge of their seats.

As a player in NERVE, an anonymous game of dares broadcast live online, high-schooler Vee is unhappy to be watched constantly but finds it exhilarating to be paired with handsome lan taking ever riskier dares--until the stakes become too high.

Instant New York Times Bestseller From the internationally bestselling author of What She Left Behind comes a gripping and powerful tale of upheaval—a heartbreaking saga of resilience and hope perfect for fans of Beatriz Williams and Kristin Hannah—set in Philadelphia during the 1918 Spanish Flu outbreak—the deadly pandemic that went on to infect one-third of the world's population... "Readers will not be able to help making comparisons to the COVID-19 pandemic, and how little has changed since 1918. Wiseman has written a touching tale of loss, survival, and perseverance with some light fantastical elements. Highly recommended." —Booklist "An immersive historical tale with chilling twists and turns. Beautifully told and richly imagined."

—Stephanie Dray, New York Times bestselling author of America's First Daughter In the fall of 1918, thirteen-year-old German immigrant Pia Lange longs to be far from Philadelphia's overcrowded slums and the anti-immigrant sentiment that compelled her father to enlist in the U.S. Army. But as her city celebrates the end of war, an even more urgent threat arrives: the Spanish flu. Funeral crepe and quarantine signs appear on doors as victims drop dead in the streets and desperate survivors wear white masks to ward off illness. When food runs out in the cramped tenement she calls home. Pia must venture alone into the guarantined city in search of supplies, leaving her baby brothers behind. Bernice Groves has become lost in grief and bitterness since her baby died from the Spanish flu. Watching Pia leave her brothers alone, Bernice makes a shocking, life-altering decision. It becomes her sinister mission to tear families apart when they're at their most vulnerable, planning to transform the city's orphans and immigrant children into what she feels are "true Americans." Waking in a makeshift hospital days after collapsing in the street, Pia is frantic to return home. Instead, she is taken to St. Vincent's Orphan Asylum – the first step in a long and arduous journey. As Bernice plots to keep the truth hidden at any cost in the months and years that follow, Pia must confront her own shame and fear, risking everything to see justice – and love – triumph at last. Powerful, harrowing, and ultimately exultant, The Orphan Collector is a story of love, resilience, and the lengths we will go to protect those who need us most. "Wiseman's writing is superb, and her descriptions of life during the Spanish Flu epidemic are chilling. Well-researched and impossible to put down, this is an emotional tug-of-war played out brilliantly on the pages and in readers' hearts." —The Historical Novels Review, EDITOR'S CHOICE "Wiseman's depiction of the horrifying spread of the Spanish flu is eerily reminiscent of the present day and

resonates with realistic depictions of suffering, particularly among the poorer immigrant population." —Publishers Weekly (Boxed Review) "Reading the novel in the time of COVID-19 adds an even greater resonance, and horror, to the description of the fatal spread of that 1918 flu." —Kirkus Review "An emotional roller coaster... I felt Pia's strength, courage, guilt, and grief come through the pages clear as day." —The Seattle Book Review Stroke is a condition that predominantly affects older people, often leading to death, disability and dependency as well as occupancy of hospital and nursing-home beds. Older stroke patients are similar in many ways to their younger counterparts, but at the same time exhibit several key differences. Their outcome and care are complicated by delayed diagnosis, polypharmacy, difficult rehabilitation, ageism, false assumptions of poor outcome, multiple comorbidity, social issues including implications for independent living, ethical dilemmas, and many others. The proportion of older people is increasing every day and with it the burden of disease and disability. The implications this has for health services are immense, especially for long-term conditions. Despite this there is limited literature available to clinicians on stroke with a particular focus on this age group. Traversing the whole stroke pathway, Stroke in the Older Person brings together key discussions on every aspect of the disease as it affects the older person, including its general aspects and those very specific to the older populations. All chapters are written by highly experienced clinicians that offer up-to-date evidence-based information as well as practical tips to promote excellent, empathetic care to older patients. Over 30 chapters, this resource addresses the epidemiology, aetio-pathogenesis, clinical presentation, diagnostic work-up (including imaging), primary and secondary prevention, and rehabilitation of older people. There is a special focus on intracerebral haemorrhage, carotid re-

vascularisation, transient ischaemic attack, cognitive impairment, research, ethical and moral dilemmas including DNAR, advanced directives and end-of-life care.

First published in 1999. Routledge is an imprint of Taylor & Francis, an informa company. Protecting Privacy in Video Surveillance offers the state of the art from leading researchers and experts in the field. This broad ranging volume discusses the topic from various technical points of view and also examines surveillance from a societal perspective. A comprehensive introduction carefully guides the reader through the collection of cutting-edge research and current thinking. The technical elements of the field feature topics from MERL blind vision, stealth vision and privacy by de-identifying face images, to using mobile communications to assert privacy from video surveillance, and using wearable computing devices for data collection in surveillance environments. Surveillance and society is approached with discussions of security versus privacy, the rise of surveillance, and focusing on social control. This rich array of the current research in the field will be an invaluable reference for researchers, as well as graduate students.

In this unusual and unique volume, Alexander Leitch provides a warm, often witty, and always informative reference book on Princeton University. The collection of approximately 400 articles, alphabetically arranged and written by some seventy faculty members and alumni in addition to the author, covers all aspects of Princeton life in the past as well as in the present. Of special interest are the biographies of eminent Princetonians, including the University's presidents, well-known trustees, distinguished deans, famous alumni, and some of Princeton's most prominent and popular professors. Other articles in the book embrace a wide range of topics: histories of academic departments, programs, and research units; descriptions of the

honor system, the preceptorial method, the four-course plan, and coeducation; a historical survey of the University's acquisition of land and the development of its campus, together with articles on its principal buildings; pieces on student activities; accounts of alumni activities; articles on athletics; portraits of notable personalities; and commentaries on a host of lighter topics such as the cane spree, beer jackets, the Faculty Song, the proctors, and Veterans of Future Wars. Among the most important articles are one summarizing Woodrow Wilson's Sesquicentennial address, "Princeton in the Nation's Service," and a dozen others recording faculty and alumni achievements toward the goal encompassed by that phrase. Originally published in 1978. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905. I wrote this book urged by the overwhelming desire that arises towards the end of life to recapitulate the past. My goal was to summarize my experience of practicing science at the end of the 20th and early 21st centuries in Argentina, a country located far away from the world's leading scientific centers. In the book, I summarize the intricacies of the pineal gland ("the stone of madness") as historical, mystical and medical entity and its entry in contemporary medicine with the description of melatonin. I also reflect on how being associated with an unexplored subject at the beginning of his scientific career impacts the life of a scientist throughout their entire life. Today we know that in humans pineal melatonin is

released every day late in the evening, and there is evidence that it is the trigger for the sleep process. But the most exciting aspect of melatonin is that it is a substance that is present in all living creatures, from unicellular organisms to plants and higher mammals, a fact that evinces its importance for life. Further, the neuroprotective action of melatonin promises to be crucial for the control of neurodegenerative diseases we face as a pandemic in this century. The discoverer of melatonin, Aaron Lerner, based its name on melano, the Greek word for black, because of its effect on the pigment cells of the skin. As in "La vie en rose", the immortal Edith Piaf song written in 1946, my lifelong work with melatonin could well be called "Ma vie en noir". LOCATE FREQUENTLY USED INFORMATION EASILY AND QUICKLY Working in the laboratory or office, you use a diverse assortment of basic information to design, conduct, and interpret toxicology studies and to perform risk assessments. The Second Edition of the bestselling Handbook of Toxicology gives you the information you need in a single reference source. NEW IN THIS EDITION: Expanded coverage of inhalation toxicology, neurotoxicology, and histopathology Additional regulatory chapters dealing with pesticides, medical devices, consumer products, and world-wide notification of new chemicals Areas of toxicology missing from the first edition such as ecotoxicology and in vitro toxicology A chapter providing extensive overview of the toxicology of metals Two chapters on basic male and female endocrinology and related toxicology Information on differences in physiological and biochemical parameters between children and adults References to Web site sources of valuable information Over 200 new tables and figures THE SINGLE SOURCE FOR THE INFORMATION YOU USE MOST FREQUENTLY Updated and expanded, this unique book includes practical reference information useful to toxicologists in the chemical and

pharmaceutical industries, contract laboratories, regulatory agencies, and academia. To help you find information quickly and easily, data is arranged by toxicology subspecialty and each chapter begins with a detailed listing of information presented. Containing over 700 tables and figures, Handbook of Toxicology, Second Edition gives you a single source for the information you use most often.

In the global marketplace, negotiation frequently takes place across cultural boundaries, yet negotiation theory has traditionally been grounded in Western culture. This book, which provides an in-depth review of the field of negotiation theory, expands current thinking to include cross-cultural perspectives. The contents of the book reflect the diversity of negotiation—research-negotiator cognition, motivation, emotion, communication, power and disputing, intergroup relationships, third parties, justice, technology, and social dilemmas—and provides new insight into negotiation theory, questioning assumptions, expanding constructs, and identifying limits not apparent from working exclusively within one culture. The book is organized in three sections and pairs chapters on negotiation theory with chapters on culture. The first part emphasizes psychological processes—cognition, motivation, and emotion. Part II examines the negotiation process. The third part emphasizes the social context of negotiation. A final chapter synthesizes the main themes of the book to illustrate how scholars and practitioners can capitalize on the synergy between culture and negotiation research. Functional Neurologic Disorders, the latest volume in the Handbook of Clinical Neurology series, summarizes state-of-the-art research findings and clinical practice on this class of disorders at the interface between neurology and psychiatry. This 51-chapter volume offers an historical introduction, chapters on epidemiology and pathophysiolology, a large section on the

clinical features of different type of functional neurologic symptoms and disorders (including functional movement disorders, non-epileptic seizures, dizziness, vision, hearing, speech and cognitive symptoms), and then concluding with approaches to therapy. This group of internationally acclaimed experts in neurology, psychiatry, and neuroscience represent a broad spectrum of areas of expertise, chosen for their ability to write clearly and concisely with an eye toward a clinical audience. This HCN volume sets a new landmark standard for a comprehensive, multi-authored work dealing with functional neurologic disorders (also described as psychogenic, dissociative or conversion disorders). Offers a comprehensive interdisciplinary approach for the care of patients with functional disorders seen in neurologic practice, leading to more efficient prevention, management, and treatment Provides a synthesis of research efforts incorporating clinical, brain imaging and neurophysiological studies Fills an existing gap between traditional neurology and traditional psychiatry Contents include coverage of history, epidemiology, clinical presentations, and therapy Edited work with chapters authored by leaders in the field, the broadest, most expert coverage available See the difference, read #1 bestselling author Jane Smiley in Large Print * About Large Print All Random House Large Print editions are published in a 16-point typeface Six years after her Pulitzer Prize-winning best-seller, A Thousand Acres, and three years after her witty, acclaimed, and best-selling novel of academe, Moo, Jane Smiley once again demonstrates her extraordinary range and brilliance. Her new novel, set in the 1850s, speaks to us in a splendidly quirky voice--the strong, wry, no-nonsense voice of Lidie Harkness of Quincy, Illinois, a young woman of courage, good sense, and good

heart. It carries us into an America so violently torn apart by the question of slavery that it makes our current political battlegrounds seem a peaceable kingdom. Lidie is hard to scare. She is almost shockingly alive--a tall, plain girl who rides and shoots and speaks her mind, and whose straightforward ways paradoxically amount to a kind of glamour. We see her at twenty, making a good marriage--to Thomas Newton, a steady, sweettempered Yankee who passes through her hometown on a dangerous mission. He belongs to a group of rashly brave New England abolitionists who dedicate themselves to settling the Kansas Territory with like-minded folk to ensure its entering the Union as a Free State. Lidie packs up and goes with him. And the novel races alongside them into the Territory, into the maelstrom of "Bloody Kansas," where slaveholding Missourians constantly and viciously clash with Free Staters, where wandering youths kill you as soon as look at you--where Lidie becomes even more fervently abolitionist than her husband as the young couple again and again barely escape entrapment in webs of atrocity on both sides of the great question. And when, suddenly, cold-blooded murder invades her own intimate circle, Lidie doesn't falter. She cuts off her hair, disguises herself as a boy, and rides into Missouri in search of the killers--a woman in a fiercely male world, an abolitionist spy in slave territory. On the run, her life threatened, her wits sharpened, she takes on yet another identity--and, in the very midst of her masguerade, discovers herself. Lidie grows increasingly important to us as we follow her travels and adventures on the feverish eye of the War Between the States. With its

crackling portrayal of a totally individual and wonderfully articulate woman, its storytelling drive, and its powerful recapturing of an almost forgotten part of the American story, this is Jane Smiley at her enthralling and enriching best. The critical reading section on standardized tests, especially the SAT 1 exam, is often cited as a trouble section for even the best test-takers. Examinees get test-targeted reading comprehension practice questions to score better with Learning Express' series, Skill Builder in Focus. This specialized drill book provides the focused practice necessary for test-taking success. Plus, all answers are explained, using terms that clarify context, main ideas, themes, and critical thinking skills for effective studying and positive reinforcement. Almost every standardized test in verbal skills, including civil service exams, contains reading comprehension questions. Each practice consists of several passages followed by questions and answer explanations. The response and subsequent performance of federal, state, and especially local agencies, in particular their coordination and cooperation with each other and with Pentagon authorities, provide lessons for dealing with other large-scale emergencies in the future. Material used in this study was distilled from more than 1,300 interviews, relying on the corroborative testimony of two or more witnesses wherever possible. Aphasia and Related Neurogenic Communication Disorders, Third Edition reviews the definition, terminology, classification, symptoms, and neurology of aphasia, including the theories of plasticity and recovery.

The impact of child maltreatment on victims, families, and society—from immediate medical care and legal services to long-term mental health care and law enforcement—cannot be understated. And it remains a severe problem in spite of increasing public awareness and stricter laws. To keep up with growing body of professionals staying informed on this subject, the third edition of A Practical Guide to the Evaluation of Child Physical Abuse and Neglect assists the reader in recognizing abuse/neglect (exclusive of sexual abuse) in children and youth, and determining its extent. Illustrated with clinical photographs, the Guide details systematic evaluation procedures, explains the tasks of an evaluation team, and expands and updates the knowledge base in these and other major areas: Specific injuries, including burns, bruises, fractures, and head and abdominal injuries Malnourishment and other forms of neglect Medical child abuse (previously known as Munchausen Syndrome by Proxy) Maltreatment of children with special health care needs Domestic partner violence Prevention strategies, psychosocial assessment, collaborations with law enforcement and the courts, and more The new edition of A Practical Guide to the Evaluation of Child Physical Abuse and Neglect offers expert information useful to practitioners across professional domains: public health professionals in maternal and child health and school settings; physicians and nurses; clinical social workers, child psychologists, and school psychologists; and attorneys and law enforcement personnel. The debate over the use of marijuana for recreational or medical purposes is not just a

recent hot topic in America—it's been an ongoing issue and argument for centuries. This book examines the controversy from all angles.

"A touching story of heroism and loss, a testament to the strength of the human spirit and the power of love to transcend the most unthinkable circumstances." —Pam Jenoff, New York Times bestselling author of The Lost Girls of Paris From the internationally bestselling author of The Orphan Collector comes a haunting and lyrical tale of love and humanity in a time of unthinkable horror. The debut novel from a powerful voice in historical fiction, this resonant and courageous saga of a young German woman during World War II and the Holocaust is a mustread for fans of The Tattooist of Auschwitz and The Alice Network. "Bloom where you're planted," is the advice Christine Bölz receives from her beloved Oma. But seventeen-year-old domestic Christine knows there is a whole world waiting beyond her small German village. It's a world she's begun to glimpse through music, books—and through Isaac Bauerman, the cultured son of the wealthy Jewish family she works for. Yet the future she and Isaac dream of sharing faces greater challenges than their difference in stations. In the fall of 1938, Germany is changing rapidly under Hitler's regime. Anti-Jewish posters are everywhere, dissenting talk is silenced, and a new law forbids Christine from returning to her job—and from having any relationship with Isaac. In the months and years that

follow, Christine will confront the Gestapo's wrath and the horrors of Dachau, desperate to be with the man she loves, to survive—and finally, to speak out. Set against the backdrop of the German homefront, this is an unforgettable novel of courage and resolve, of the inhumanity of war, and the heartbreak and hope left in its wake. "A haunting and beautiful debut novel." —Anna Jean Mayhew, author of The Dry Grass of August "Ellen Marie Wiseman boldly explores the complexities of the Holocaust. This novel is at times painful, but it is also a satisfying love story set against the backdrop of one of the most difficult times in human history." —T. Greenwood, author of Keeping Lucy NVIDIA's Full-Color Guide to Deep Learning: All StudentsNeed to Get Started and Get Results Learning Deep Learning is a complete guide to DL.Illuminating both the core concepts and the hands-on programming techniques needed to succeed, this book suits seasoned developers, data scientists, analysts, but also those with no prior machine learning or statistics experience. After introducing the essential building blocks of deep neural networks, such as artificial neurons and fully connected, convolutional, and recurrent layers, Magnus Ekman shows how to use them to build advanced architectures, including the Transformer. He describes how these concepts are used to build modernnetworks for computer vision and natural language processing (NLP), includingMask R-CNN, GPT, and

BERT. And he explains how a natural language translatorand a system generating natural language descriptions of images. Throughout, Ekman provides concise, well-annotated code examples using Tensor Flow with Keras. Corresponding PyTorch examples are provided online, and the book thereby covers the two dominating Python libraries for DL used inindustry and academia. He concludes with an introduction to neural architecturesearch (NAS), exploring important ethical issues and providing resources forfurther learning. Exploreand master core concepts: perceptrons, gradient-based learning, sigmoidneurons, and back propagation See how DL frameworks make it easier to developmore complicated and useful neural networks Discover how convolutional neuralnetworks (CNNs) revolutionize image classification and analysis Apply recurrentneural networks (RNNs) and long short-term memory (LSTM) to text and othervariable-length sequences Master NLP with sequence-to-sequence networks and the Transformer architecture Build applications for natural language translation and mage captioning

Muwahahaha! Dr. Frankenstein. Marie Curie. Dr. Moreau. Captain Nemo. They're the most fascinating minds of all time--and now a science guru has teamed up with an expert in human psychology to coax them out of their laboratories and onto the analyst's couch. Real and fictional, famous and

infamous, crazy and just crazily driven, these brilliant men and women exhibit a list of neuroses almost as impressive as their extraordinary accomplishments. At last, you can explore their early fixations, their ambitions, their successes and failures, and the particular quirks that have granted each induction into the Mad Scientist Hall of Fame, including: • Dr. Evil: Megalomaniacal doctor with antisocial personality disorder (and pathological dislike of his own son, Scotty) • Nikola Tesla: Real-life mad scientist with obsessive compulsive disorder (and he talked to aliens) • Dr. Jekyll/Mr. Hyde: Brilliant doctor gone bad, suffering from multiple personality disorder (and a penchant for strong chemical cocktails) • Lex Luthor: Villain and supergenius with manic mood disorder (and premature baldness) Witty, illuminating, and thoroughly entertaining, this one-of-a-kind book offers irrefutable proof that success, super-intelligence, and a mantelpiece full of Nobel prizes is no guarantee of sanity. Praise for Daniel H. Wilson "Daniel H. Wilson and Anna C. Long have made an exhaustive study of the evil mind. It is complete, pulls no punches, and reveals secrets that have hitherto remained hidden. It is for these reasons that I must liquidate them. Great book!" --Mike Mvers. aka Dr. Evil from Austin Powers "Forget about John Connor--it's Daniel H. Wilson who is going to save us from the Terminators." --Forbes on How to Survive a Robot Uprising "A tribute to the far-fetched ideas that often drive

progress." -- Erik Sofge, Popular Mechanics, for Where's My Jetpack? This letter is your death sentence. To avenge what you have done you will die. But what has Manno the pharmacist done? Nothing that he can think of. The next day he and his hunting companion are both dead. The police investigation is inconclusive. However, a modest high school teacher with a literary bent has noticed a clue that, he believes, will allow him to trace the killer. Patiently, methodically, he begins to untangle a web of erotic intrigue and political calculation. But the results of his amateur sleuthing are unexpected—and tragic. To Each His Own is one of the masterworks of the great Sicilian novelist Leonardo Sciascia—a gripping and unconventional detective story that is also an anatomy of a society founded on secrets, lies, collusion, and violence. This free eBook short story fills in the gaps of Sophie Kinsella's bestselling Shopaholic series, following Becky Brandon and her husband, Luke, as they start their luxurious yearlong honeymoon around the world. But these jet-setters are about to hit some turbulence. Becky and Luke are in Venice—the city of winding canals, gorgeous historic buildings, and, of course, exceptional shopping. To unwind from the stress of their wedding, Becky has planned an utterly blissful honeymoon where, for an entire year, they will hop from one country to the next—Italy to the Czech Republic to Sri Lanka and beyond—as they please. But

lately. Luke has been more restless than relaxed. In fact, he seems (unbelievably!) like he wants to go home. Will Becky be able to save their dream vacation, or will their globe-trotting come to a sudden halt? Praise for the Shopaholic novels "[Sophie] Kinsella has a genuine gift for comic writing."—The Boston Globe "Hilarious . . . hijinks worthy of classic I Love Lucy episodes . . . too good to pass up."—USA Today "Kinsella's Bloomwood is plucky and funny... . . You won't have to shop around to find a more winning protagonist."—People This "engrossing" (The Wall Street Journal) national bestseller and true "heartbreaking tale of tragedy and redemption" (Hampton Sides, bestselling author of Ghost Soldiers) reveals how a discovered diary—found during a brutal World War II battle—changed our war-torn society's perceptions of Japan. May 1943. The Battle of Attu—called "The Forgotten Battle" by World War II veterans—was raging on the Aleutian island with an Arctic cold, impenetrable fog, and rocketing winds that combined to create some of the worst weather on Earth. Both American and Japanese forces tirelessly fought in a yearlong campaign, with both sides suffering thousands of casualties. Included in this number was a Japanese medic whose war diary would lead a Silver Star-winning American soldier to find solace for his own tortured soul. The doctor's name was Paul Nobuo Tatsuguchi, a Hiroshima native who had graduated from college and

medical school in California. He loved America, but was called to enlist in the Imperial Army of his native Japan. Heartsick, wary of war, yet devoted to Japan, Tatsuguchi performed his duties and kept a diary of events as they unfolded—never knowing that it would be found by an American soldier named Dick Laird, a hardy, resilient underground coal miner, enlisted in the US Army to escape the crushing poverty of his native Appalachia. In a devastating mountainside attack in Alaska, Laird was forced to make a fateful decision, one that saved him and his comrades, but haunted him for years. Tatsuguchi's diary was later translated and distributed among US soldiers. It showed the common humanity on both sides of the battle. But it also ignited fierce controversy that is still debated today. After forty years, Laird was determined to return it to the family and find peace with Tatsuguchi's daughter, Laura Tatsuguchi Davis. Pulitzer Prize—winning journalist Mark Obmascik "writes with tremendous grace" about a forgotten part of our history, telling the same story from two opposing points of view—perhaps the only way warfare can truly be understood" (Helen Thorpe, author of Soldier Girls).

This volume examines existing research documenting racial disproportionality and disparities in child welfare systems, the underlying factors that contribute to these phenomena and the harms that result at both the individual and community levels. It

reviews multiple forms of interventions designed to prevent and reduce disproportionality, particularly in states and jurisdictions that have seen meaningful change. With contributions from authorities and leaders in the field, this volume serves as the authoritative volume on the complex issue of child maltreatment and child welfare. It offers a central source of information for students and practitioners who are seeking understanding on how structural and institutional racism can be addressed in public systems.

This book is aimed at chemistry teachers, teacher educators, chemistry education researchers, and all those who are interested in increasing the relevance of chemistry teaching and learning as well as students' perception of it. The book consists of 20 chapters. Each chapter focuses on a certain issue related to the relevance of chemistry education. These chapters are based on a recently suggested model of the relevance of science education, encompassing individual, societal, and vocational relevance, its present and future implications, as well as its intrinsic and extrinsic aspects. "Two highly distinguished chemical educators, Ingo Eilks and AviHofstein, have brought together 40 internationally renowned colleagues from 16 countries to offer an authoritative view of chemistry teaching today. Between them, the authors, in 20 chapters, give an exceptional description of the current state of chemical education and signpost the future in both research and in the classroom. There is special emphasis on the many attempts to enthuse students with an understanding of the central science,

chemistry, which will be helped by having an appreciation of the role of the science in today's world. Themes which transcend all education such as collaborative work, communication skills, attitudes, inquiry learning and teaching, and problem solving are covered in detail and used in the context of teaching modern chemistry. The book is divided into four parts which describe the individual, the societal, the vocational and economic, and the non-formal dimensions and the editors bring all the disparate leads into a coherent narrative, that will be highly satisfying to experienced and new researchers and to teachers with the daunting task of teaching such an intellectually demanding subject. Just a brief glance at the index and the references will convince anyone interested in chemical education that this book is well worth studying; it is scholarly and readable and has tackled the most important issues in chemical education today and in the foreseeable future." – Professor David Waddington, Emeritus Professor in Chemistry Education, University of York, United Kingdom Naturalists in antiquity worked hard to dispel fanciful ideas about the meaning of living lights, but remained bewildered by them. Even Charles Darwin was perplexed by the chaotic diversity of luminous organisms, which he found difficult to reconcile with his evolutionary theory. It fell to naturalists and scientists to make sense of the dazzling displays of fireflies and other organisms. In Luminous Creatures Michel Anctil shows how mythical perceptions of bioluminescence gradually gave way to a scientific understanding of its mechanisms, functions, and evolution, and to the recognition of its

usefulness for biomedical and other applied fields. Following the rise of the modern scientific method and the circumnavigations and oceanographic expeditions of the eighteenth and nineteenth centuries, biologists began to realize the diversity of bioluminescence's expressions in light organs and ecological imprints, and how widespread it is on the planet. By the end of the nineteenth century an understanding of the chemical nature and physiological control of the phenomenon was at hand. Technological developments led to an explosion of knowledge on the ecology, evolution, and molecular biology of bioluminescence. Luminous Creatures tracks these historical events and illuminates the lives and the trail-blazing accomplishments of the scientists involved. It offers a unique window into the awe-inspiring, phantasmagorical world of light-producing organisms, viewed from the perspectives of casual observers and scientists alike.

This eye-opening monograph challenges professionals across disciplines to take a more thorough and focused approach to addressing child physical abuse at the practice and policy levels. Positing child physical abuse as a public health crisis (as opposed to a more vague "social" one), the authors use empirical findings and clinical insights to advocate for wide-scale reforms in screening, assessment, responses, treatment, and prevention. The book's social/ecological perspective delves into root causes of physical maltreatment, analyzes the role of family and community risk and support factors, and notes forms of discomfort keeping many professionals from meeting the

issue head-on. From there, chapters describe coordinated multidisciplinary efforts for intervention and prevention with the potential to avert all forms of child abuse. Included in the coverage: · Adverse childhood experiences (ACEs) · The non-verbal child: obtaining a history for caregiver(s) · Clinical perspectives on multidisciplinary collaboration Corporal punishment and risk for child physical abuse Intimate partner violence (IPV) and risk for child physical abuse Evolution of child maltreatment prevention Complementary dynamic prevention approach Child Physical Abuse sets out the scope of this ongoing crisis for a wide audience including healthcare providers, child advocates, clinical social workers, public health officials, mental health providers, legislative staff professionals, and members of the lay public, with clear guidelines for effective long-term solutions.

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