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SURVIVING THE EXTREMES



A Doctor's Journey to the Limits
of Human Endurance

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Surviving the Extremes-Kenneth Kamler 2004-01-20 A physician, NASA consultant, and expert on the extreme conditions that confront the human body journeys into six inhospitable environments to examine the reaction of the body to heat, cold, pressure, starvation, and exhaustion and its own innate survival

Extremophiles-Ravi V. Durvasula 2018-01-09 Highly recommended by CHOICE, Oct 2018 Key features: Couples studies of marine extremophile biology/genomics and extremophile culture for biotechnological applications with the latest advances in bio-prospecting and bio-product development Includes practical experiments that a laboratory can use to replicate extreme habitats for research purposes Presents latest advances in extremophile genomics to give the reader a better understanding of the regulatory mechanisms of extremophiles Offers insights into the production of commercially important extremozymes, carotenoids, bioactive compounds and secondary metabolites of medicinal value Extremophiles are nature’s ultimate survivors, thriving in environments ranging from the frozen Antarctic to abyssal hot hydrothermal vents. Their lifetimes span bacteria to fishes, and are categorized as halophiles from hypersaline environments, acidophiles from acidic waters, psychrophiles from cold habitats, and thermophiles from warm waters. Extremophiles: From Biology to Biotechnology comprehensively covers the basic biology, physiology, habitats, secondary metabolites for bioprospecting, and biotechnology of these extreme survivors. The chapters focus on the novel genetic and biochemical traits that lend these organisms to biotechnological applications. This unique guide serves as a resource for biotechnologists who wish to explore extremophiles for their commercial potential, as well as a valuable reference for teaching undergraduate, graduate and postgraduate students.

Surviving Your Stupid, Stupid Decision to Go to Grad School-Adam Ruben 2010-04-13 This is a book for dedicated academics who consider spending years masochistically overworked and underappreciated as a laudable goal. They lead the lives of the impoverished, grade the exams of whiny undergrads, and spend lonely nights in the library or laboratory pursuing a transcendent truth that only six or seven people will ever care about. These suffering, unshaven sad sacks are grad students, and their salvation has arrived in this witty look at the low points of grad school. Inside, you'll find: • advice on maintaining a veneer of productivity in front of your advisor • tips for sleeping upright during boring seminars • a description of how to find which departmental events have the best unguarded free food • how you can convincingly fudge data and feign progress This hilarious guide to surviving and thriving as the lowliest of life-forms—the grad student—will elaborate on all of these issues and more.

Life at the Extremes-Frances Ashcroft 2002-03-18 From the oxygen-deprived heights of Everest to the high-pressure ocean depths, the limits of human endurance are probed in this fascinating look at the borderlands of physical potential.

Superhuman-Rowan Hooper 2019-09-17 From evolutionary biologist Rowan Hooper, an awe-inspiring look into the extremes of human ability—and what they tell us about our own potential—"an intriguing...look at some of the things that make us human—and more" (Kirkus Reviews). In 1997, an endurance runner named Yiannis Kouros ran 188 miles in twenty-four hours. Akira Haraguchi can recite pi to the 100,000th decimal point. John Nunn was accepted to Oxford University at age fifteen. After a horrific attack by her estranged husband, Carmen Tarleton was left with burns to more than eighty percent of her body. After a three-month coma, multiple skin grafts, and successful face transplant, Tarleton is now a motivational speaker. What does it feel like to be exceptional? And what does it take to get there? Why can some people achieve greatness when others can't, no matter how hard they try? Just how much potential does our species have? Evolutionary biologist Rowan Hooper has the answers. In Superhuman he takes us on a breathtaking tour of the peaks of human achievement that shows us what it feels like to be extraordinary—and what it takes to get there. Drawing on interviews with these "superhumans" and those who have studied them, Hooper assesses the science and genetics of peak potential. His case studies are as inspirational as they are varied, highlighting feats of endurance, strength, intelligence, and memory. Superhuman is "terrifically entertaining. Hooper is that precious thing: an easy, fluent, and funny scientist. The message from this upbeat, clever, feel good book is that we all have greater capacity than we realize. Spectacularly enjoyable" (The London Times), this is a fascinating, eye-opening, and inspiring celebration for anyone who ever felt that they might be able to do something extraordinary in life, for those who simply want to succeed, and for anyone interested in the sublime possibilities of humankind.

Fortitude-Dan Crenshaw 2020-04-07 Jordan Peterson's Twelve Rules for Life meets Jocko Willink and Leif Babin's Extreme Ownership in this tough-love leadership book from a Navy SEAL and rising star in Republican politics. In 2012, on his third tour of duty, an improvised explosive device left Dan Crenshaw's right eye destroyed and his left blinded. Only through the careful hand of his surgeons, and what doctors called a miracle, did Crenshaw's left eye recover partial vision. And yet, he persevered, completing two more deployments. Why? There are certain stories we tell ourselves about the hardships we face -- we can become paralyzed by adversity or we can adapt and overcome. We can be fragile or we can find our fortitude. Crenshaw delivers a set of lessons to help you do just that. Most people's everyday challenges aren't as extreme as surviving combat, and yet our society is more fragile than ever: exploding with outrage, drowning in microaggressions, and devolving into divisive mob politics. The American spirit -- long characterized by grit and fortitude -- is unraveling. We must fix it. That's exactly what Crenshaw accomplishes with FORTITUDE. This book isn't about the problem, it's about the solution. And that solution begins with each and every one of us. We must all lighten up, toughen up, and begin treating our fellow Americans with respect and grace. FORTITUDE is a no-nonsense advice book for finding the strength to deal with everything from menial daily frustrations to truly difficult challenges. More than that, it is a roadmap for a more resilient American culture. With meditations on perseverance, failure, and finding much-needed heroes, the book is the antidote to a prevailing "safety culture" of trigger warnings and safe spaces. Interspersed with lessons from history and psychology is Crenshaw's own story of how an average American kid from the Houston suburbs went from war zones to the halls of Congress -- and managed to navigate his path with a sense of humor and an even greater sense that, no matter what anyone else around us says or does, we are in control of our own destiny.

I Had to Survive-Roberto Canessa 2017-03-21 On October 13, 1972, an Uruguayan air force plane carrying members of the Old Christians rugby team—and many of their friends and family members—crashed in the Andes mountains. I Had to Survive offers a gripping and heartrending recollection of the harrowing brink-of-death experience that propelled survivor Roberto Canessa to become one of the world’s leading pediatric cardiologists. As he tended to his wounded teammates amidst the devastating carnage, rugby player Roberto Canessa, a second-year medical student at the time, realized that no one on earth was luckier: he was alive—and for that, he should be eternally grateful. As the starving group struggled beyond the limits of what seemed possible, Canessa played a key role in safeguarding his fellow survivors, eventually trekking with a companion across the hostile mountain range for help. No one could have imagined that there were survivors from the accident in such extreme conditions. Canessa's extraordinary experience on the fine line between life and death became the catalyst for the rest of his life. This uplifting tale of hope and determination, solidarity and ingenuity, gives vivid insight into the world-famous story that inspired the movie Alive! Canessa also draws a unique and fascinating parallel between his work as a doctor diagnosing very complex congenital cardiopathies in unborn and newborn infants and the difficult life-changing decisions he was forced to make in the Andes. With grace and humanity, Canessa prompts us to ask ourselves: what do you do when all the odds are stacked against you?

Dying in America-Institute of Medicine 2015-03-19 For patients and their loved ones, no care decisions are more profound than those made near the end of life. Unfortunately, the experience of dying in the United States is often characterized by fragmented care, inadequate treatment of distressing symptoms, frequent transitions among care settings, and enormous care responsibilities for families. According to this report, the current health care system of rendering more intensive services than are necessary and desired by patients, and the lack of coordination among programs increases risks to patients and creates avoidable burdens on them and their families. Dying in America is a study of the current state of health care for persons of all ages who are nearing the end of life. Death is not a strictly medical event. Ideally, health care for those nearing the end of life harmonizes with social, psychological, and spiritual support. All people with advanced illnesses who may be approaching the end of life are entitled to access to high-quality, compassionate, evidence-based care, consistent with their wishes. Dying in America evaluates strategies to integrate care into a person- and family-centered, team-based framework, and makes recommendations to create a system that coordinates care and supports and respects the choices of patients and their families. The findings and recommendations of this report will address the needs of patients and their families and assist policy makers, clinicians and their educational and credentialing bodies, leaders of health care delivery and financing organizations, researchers, public and private funders, religious and community leaders, advocates of better care, journalists, and the public to provide the best care possible for people nearing the end of life.

The Selfish Gene-Charles Simonyi Professor of the Public Understanding of Science Richard Dawkins 1989 An ethologist shows man to be a gene machine whose world is one of savage competition and deceit

Salvation-Joshua Jared Scott 2014-11-11 SEQUEL to Conflict: Surviving the Zombie Apocalypse and the conclusion to Jacob Thornton's story of survival. When the change struck, a quarter of the world's population simultaneously, and without warning, perished. Seven minutes later the corpses reanimated and promptly began to attack the living. At zero hour well over one billion zombies walked the Earth. A day later, more than half the world's population had turned. Escaping the city, Jacob Thornton and a group of survivors began work on a settlement deep in the wilderness where they hoped to rebuild their shattered lives. Isolated and far from the chaos, it seemed they were indeed safe, that is, until the raiders appeared. Forced to flee, Jacob led his people north to the Black Hills. They built fortifications, gathered supplies, and waited for the inevitable. It did not come. Time passed. Homes were constructed, crops planted, and contact made with others around the globe. So few remained, but efforts were underway to rid the world of zombies. There was a very real chance civilization would bloom once more. Then the enemy returned, determined to complete the genocide they began two years earlier.

Ethics, Conflict and Medical Treatment for Children E-Book-Dominic Wilkinson 2018-08-05 What should happen when doctors and parents disagree about what would be best for a child? When should courts become involved? Should life support be stopped against parents' wishes? The case of Charlie Gard, reached global attention in 2017. It led to widespread debate about the ethics of disagreements between doctors and parents, about the place of the law in such disputes, and about the variation in approach between different parts of the world. In this book, medical ethicists Dominic Wilkinson and Julian Savulescu critically examine the ethical questions at the heart of disputes about medical treatment for children. They use the Gard case as a springboard to a wider discussion about the rights of parents, the harms of treatment, and the vital issue of limited resources. They discuss other prominent UK and international cases of disagreement and conflict. From opposite sides of the debate Wilkinson and Savulescu provocatively outline the strongest arguments in favour of and against treatment. They analyse some of the distinctive and challenging features of treatment disputes in the 21st century and argue that disagreement about controversial ethical questions is both inevitable and desirable. They outline a series of lessons from the Gard case and propose a radical new 'dissensus' framework for future cases of disagreement. This new book critically examines the core ethical questions at the heart of disputes about medical treatment for children. The contents review prominent cases of disagreement from the UK and internationally and analyse some of the distinctive and challenging features around treatment disputes in the 21st century. The book proposes a radical new framework for future cases of disagreement around the care of gravely ill people.

In Shock-Rana Awdish 2017-10-24 A riveting first-hand account of a physician who's suddenly a dying patient, In Shock "searches for a glimmer of hope in life's darkest moments, and finds it." —The Washington Post Dr. Rana Awdish never imagined that an emergency trip to the hospital would result in hemorrhaging nearly all of her blood volume and losing her unborn first child. But after her first visit, Dr. Awdish spent months fighting for her life, enduring consecutive major surgeries and experiencing multiple overlapping organ failures. At each step of the recovery process, Awdish was faced with something even more unexpected: repeated cavalier behavior from her fellow physicians—indifference following human loss, disregard for anguish and suffering, and an exacting emotional distance. Hauntingly perceptive and beautifully written, In Shock allows the reader to transform alongside Awdish and watch what she discovers in our carefully-cultivated, yet often misguided, standard of care. Awdish comes to understand the fatal flaws in her profession and in her own past actions as a physician while achieving, through unflinching presence, a crystalline vision of a new and better possibility for us all. Dr. Awdish finds herself up against the same self-protective partitions she was trained to construct as a medical student and physician, she artfully illuminates the dysfunction of disconnection. Shattering personal, and yet wholly universal, she offers a brave road map for anyone navigating illness while presenting physicians with a new paradigm and rationale for embracing the emotional bond between doctor and patient.

The Survival Medicine Handbook-Joseph D. Alton M D 2013-06-13 "If modern medical care is not available, you may be the end of the line when it comes to keeping your family healthy. Do you have the knowledge and training to take on this responsibility? This second edition of the book will give you the ability to deal with 90% of the issues you might face in any survival situation. The goal of the Survival Medicine Handbook is to help you do what you can, with what you have, where you are. With this guide, you will become a medial asset to your family in uncertain times"--Page 4 of cover.

Life as We Knew it-Susan Beth Pfeffer 2008 Through journal entries, sixteen-year-old Miranda describes her family's struggle to survive after a meteor hits the moon, causing worldwide tsunamis, earthquakes, and volcanic eruptions.

The Threat of Pandemic Influenza-Institute of Medicine 2005-04-09 Public health officials and organizations around the world remain on high alert because of increasing concerns about the prospect of an influenza pandemic, which many experts believe to be inevitable. Moreover, recent problems with the availability and strain-specificity of vaccine for annual flu epidemics in some countries and the rise of pandemic strains of avian flu in disparate geographic regions have alarmed experts about the world's ability to prevent or contain a human pandemic. The workshop summary, The Threat of Pandemic Influenza: Are We Ready? addresses these urgent concerns. The report describes what steps the United States and other countries have taken thus far to prepare for the next outbreak of "killer flu." It also looks at gaps in readiness, including hospitals' inability to absorb a surge of patients and many nations' incapacity to monitor and detect flu outbreaks. The report points to the need for international agreements to share flu vaccine and antiviral stockpiles to ensure that the 88 percent of nations that cannot manufacture or stockpile these products have access to them. It chronicles the toll of the H5N1 strain of avian flu currently circulating among poultry in many parts of Asia, which now accounts for the culling of millions of birds and the death of at least 50 persons. And it compares the costs of preparations with the costs of illness and death that could arise during an outbreak.

Disturbance-Philippe Lançon 2019-11-12 In this Prix Femina-winning memoir, a writer at the French satirical newspaper Charlie Hebdo recounts surviving the deadly terror attack on their office. On January 7, 2015, two terrorists claiming allegiance to ISIS attack the Paris office of the satirical weekly Charlie Hebdo. The event causes untold pain to the victims and their families, prompts a global solidarity movement, and ignites a fierce debate over press freedoms and the role of satire today. Philippe Lançon, a journalist, author, and a weekly contributor to Charlie Hebdo is gravely wounded in the attack—an experience that upends his relationship to the world. As Lançon attempts to reconstruct his life on the page, he rereads Proust, Thomas Mann, Kafka, and others in search of guidance. It is a year before he can return to writing, a year in which he learns to work through his experiences and their aftermath. Disturbance is not an essay on terrorism nor is it a witness's account of Charlie Hebdo. It is an honest, intimate account of a man seeking to put his life back together after it has been torn apart. "A powerful and deeply civilized memoir." —The New York Times

The Body Keeps the Score-Bessel A. Van der Kolk 2015 An expert on traumatic stress outlines an approach to healing, explaining how traumatic stress affects brain processes and how to use innovative treatments to reactivate the mind's abilities to trust, engage others, and experience pleasure--

surviving-the-extremes-a-doctors-journey-to-the-limits-of-human-endurance

The Checklist Manifesto-Atul Gawande 2010-04-01 The New York Times bestselling author of Better and Complications reveals the surprising power of the ordinary checklist We live in a world of great and increasing complexity, where even the most expert professionals struggle to master the tasks they face. Longer training, ever more advanced technologies—neither seems to prevent grievous errors. But in a hopeful turn, acclaimed surgeon and writer Atul Gawande finds a remedy in the humblest and simplest of techniques: the checklist. First introduced decades ago by the U.S. Air Force, checklists have enabled pilots to fly aircraft of mind-boggling sophistication. Now innovative checklists are being adopted in hospitals around the world, helping doctors and nurses respond to everything from flu epidemics to avalanches. Even in the immensely complex world of surgery, a simple ninety-second variant has cut the rate of fatalities by more than a third. In riveting stories, Gawande takes us from Austria, where an emergency checklist saved a drowning victim who had spent half an hour underwater, to Michigan, where a cleanliness checklist in intensive care units virtually eliminated a type of deadly hospital infection. He explains how checklists actually work to prompt striking and immediate improvements. And he follows the checklist revolution into fields well beyond medicine, from disaster response to investment banking, skyscraper construction, and businesses of all kinds. An intellectual adventure in which lives are lost and saved and one simple idea makes a tremendous difference, The Checklist Manifesto is essential reading for anyone working to get things right.

The Highly Sensitive Person-Elaine N. Aron 2013-12-01 THE 25TH ANNIVERSARY EDITION of the original ground-breaking book on high sensitivity with over 500,000 copies sold. ARE YOU A HIGHLY SENSITIVE PERSON? Do you have a keen imagination and vivid dreams? Is time alone each day as essential to you as food and water? Are you noted for your empathy? Your conscientiousness? Do noise and confusion quickly overwhelm you? If your answers are yes, you may be a highly sensitive person (HSP) and Dr. Elaine Aron's The Highly Sensitive Person is the life-changing guide you'll want in your toolbox. Over twenty percent of people have this amazing, innate trait. Maybe you are one of them. A similar percentage is found in over 100 species, because high sensitivity is a survival strategy. It is also a way of life for HSPs. In this 25th anniversary edition of the groundbreaking classic, Dr. Elaine Aron, a research and clinical psychologist as well as an HSP herself, helps you grasp the reality of your wonderful trait, understand your past in the light of it, and make the most of it in your future. Drawing on her many years of study and face-to-face time spent with thousands of HSPs, she explains the changes you will need to make in order to lead a fuller, richer life. Along with a new Author's Note, the latest scientific research, and a fresh discussion of anti-depressants, this edition of The Highly Sensitive Person is more essential than ever for creating the sense of self-worth and empowerment every HSP deserves and our planet needs. "Elaine Aron has not only validated and scientifically corroborated high sensitivity as a trait—she has given a level of empowerment and understanding to a large group of the planet's population. I thank Dr. Aron every day for her having brought this awareness to the world." —Alanis Morissette, artist, activist, teacher

Preterm Birth-Institute of Medicine 2007-05-23 The increasing prevalence of preterm birth in the United States is a complex public health problem that requires multifaceted solutions. Preterm birth is a cluster of problems with a set of overlapping factors of influence. Its causes may include individual-level behavioral and psychosocial factors, sociodemographic and neighborhood characteristics, environmental exposure, medical conditions, infertility treatments, and biological factors. Many of these factors co-occur, particularly in those who are socioeconomically disadvantaged or who are members of racial and ethnic minority groups. While advances in perinatal and neonatal care have improved survival for preterm infants, those infants who do survive have a greater risk than infants born at term for developmental disabilities, health problems, and poor growth. The birth of a preterm infant can also bring considerable emotional and economic costs to families and have implications for public-sector services, such as health insurance, educational, and other social support systems. Preterm Birth assesses the problem with respect to both its causes and outcomes. This book addresses the need for research involving clinical, basic, behavioral, and social science disciplines. By defining and addressing the health and economic consequences of premature birth, this book will be of particular interest to health care professionals, public health officials, policy makers, professional associations and clinical, basic, behavioral, and social science researchers.

Cheating Death-Sanjay Gupta 2009-10-12 An unborn baby with a fatal heart defect. . . a skier submerged for an hour in a frozen Norwegian lake. . . a comatose brain surgery patient whom doctors have declared a "vegetable." Twenty years ago all of them would have been given up for dead, with no realistic hope for survival. But today, thanks to incredible new medical advances, each of these individuals is alive and well. . . Cheating Death. In this riveting book, Dr. Sanjay Gupta-neurosurgeon, chief medical correspondent for CNN, and bestselling author-chronicles the almost unbelievable science that has made these seemingly miraculous recoveries possible. A bold new breed of doctors has achieved amazing rescues by refusing to accept that any life is irretrievably lost. Extended cardiac arrest, "brain death," not breathing for over an hour—all these conditions used to be considered inevitably fatal, but they no longer are. Today, revolutionary advances are blurring the traditional line between life and death in fascinating ways. Drawing on real-life stories and using his unprecedented access to the latest medical research, Dr. Gupta dramatically presents exciting accounts of how pioneering physicians and researchers are altering our understanding of how the human body functions when it comes to survival—and why more and more patients who once would have died are now alive. From experiments with therapeutic hypothermia to save comatose stroke or heart attack victims to lifesaving operations in utero to the study of animal hibernation to help wounded soldiers on far-off battlefields, these remarkable case histories transform and enrich all our assumptions about the true nature of death and life.

The Real Doctor Will See You Shortly-Matt McCarthy 2016-04 "A young doctor stumbles through his experience as a first year intern at a major New York hospital"--

Extreme Survival-Bill Mattos 2013-01-01 This is the ultimate guide to staying alive in extreme situations á?? those events we think will never happen to us, but one day might. This book is the key to surviving lifethreatening events, accidents, random attacks and politically motivated insurgencies where we live, work or take holidays. Using the tactics, skills and tricks of the trade taught in this survivors' manual could save your life when danger or terror suddenly strikes á?? at home, in the office, in the street, when traveling in unknown and inhospitable situations, or when exposed to the wilderness. Written by experts in the field, this authoritative book reveals the secrets of wilderness and urban survival, and teaches the essential skills needed to survive any jeopardy. Structured into two sections, the first shows the essential bushcraft skills needed to survive outdoors in every climate and terrain: how to make shelter, how to find drinking water, how to start a fire from scratch, how to stalk and trap animals for food, and how to orienteer without a map. The second section focuses on how to ensure personal safety when everyday situations become life-threatening, including hostage situations, counter-terrorism techniques, selfdefense against personal attacks, and how to deal with car hijacking, house fires, transport accidents and medical emergencies. With its emphasis on teaching practical skills, this survival manual deals with identifying and anticipating risks and hazards early enough so you won't be caught off-guard. Then, if you are faced with extreme disaster or confrontation, you can respond positively and calmly to adversity.

Miracles We Have Seen-Harley Rothbart 2016-09-13 This is a book of miracles—medical events witnessed by leading physicians for which there is no reasonable medical explanation, or, if there is, the explanation itself is extraordinary. These dramatic first-person essays detail spectacular serendipities, impossible cures, breathtaking resuscitations, extraordinary awakenings, and recovery from unimaginable disasters. Still other essays give voice to cases in which the physical aspects were less dramatic than the emotional aspects, yet miraculous and transformational for everyone involved. Positive impacts left in the wake of even the gravest of tragedies, profound triumphs of heart and spirit. Preeminent physicians in many specialties, including deans and department heads on the faculties of the top university medical schools in the country describe, in everyday language and with moving testimony, their very personal reactions to these remarkable clinical experiences. Among the extraordinary cases poignantly recounted by the physicians witnessing them: A priest visiting a hospitalized patient went into cardiac arrest on the elevator, which opened up on the cardiac floor, right at the foot of the cardiac specialist, at just the right moment. A tiny premature baby dying from irreversible lung disease despite the most intensive care who recovered almost immediately after being taken from his hospital bed and placed on his mother's chest. President John F. Kennedy's son Patrick, who died shortly after birth, and whose disease eventually led to research that saved generations of babies. A nine-year-old boy who was decapitated in a horrific car accident but survived without neurological damage. A woman who conceived and delivered a healthy baby—despite having had both of her fallopian tubes surgically removed. A young man whose only hope for survival was a heart transplant, but just at the moment he developed a potentially fatal complication making a transplant impossible, his own heart began healing itself. A teenage girl near death after contracting full-blown rabies who became the first patient ever to recover from that disease after an unexpected visit by Timothy Dolan, the man who would go on to become the Archbishop of New York. A Manhattan window-washer who fell 47 stories—and not only became the only person ever to survive a fall from that height, but went on to make a full recovery. Miracles We Have Seen is a book of inspiration and optimism, and a compelling glimpse into the lives of physicians—their humanity and determined devotion to their patients and their patients' families. It reminds us that what we don't know or don't understand isn't necessarily cause for fear, and can even be reason for hope.

The Unspeakable Mind-Shaili Jain, M.D. 2019-05-07 From a physician and post-traumatic stress disorder specialist comes a nuanced cartography of PTSD, a widely misunderstood yet crushing condition that afflicts millions of Americans. "Dr. Jain's beautiful prose illuminates this widely misunderstood condition and makes for fascinating reading. It is a must for anyone who has a survived trauma, their loved ones and the healthcare professionals who care for them." --Irvin Yalom, bestselling author of When Nietzsche Wept The Unspeakable Mind is the definitive guide to a trauma-burdened age. With profound empathy and meticulous research, Shaili Jain, M.D.—a practicing psychiatrist and PTSD specialist at one of America's top VA hospitals, trauma scientist at the National Center for PTSD, and a Stanford Professor—shines a long-overdue light on the PTSD epidemic affecting today's fractured world. Post-Traumatic Stress Disorder goes far beyond the horrors of war and is an inescapable part of all our lives. At any given moment, more than six million Americans are suffering with PTSD. Dr. Jain's groundbreaking work demonstrates the ways this disorder cuts to the heart of life, interfering with one's capacity to love, create, and work—incapacity brought on by a complex interplay between biology, genetics, and environment. Beyond the struggles of individuals, PTSD has a tangible imprint on our cultures and societies around the world. Since 9/11 and the wars in Iraq and Afghanistan, there has been a huge growth in the science of PTSD, a body of evidence that continues to grow exponentially. With this new knowledge have come dramatic advances in the effective treatment of this condition. Jain draws on a decade of her own clinical innovation and research and argues for a paradigm shift in how PTSD should be approached in the new millennium. She highlights the myriads of ways PTSD care is being transformed to make it more accessible, acceptable, and available to sufferers via integrated care models, use of peer support programs, and technology. By identifying those among us who are most vulnerable to developing PTSD, cutting edge medical interventions that hold the promise of preventing the onset of PTSD are becoming more of a reality than ever before. Combining vividly recounted patient stories, interviews with some of the world's top trauma scientists, and her professional expertise from working on the frontlines of PTSD, The Unspeakable Mind offers a textured portrait of this invisible illness that is unraveled in scope and lays bare PTSD's roots, inner workings, and paths to healing. This book is essential reading for understanding how humans can recover from unspeakable trauma. The Unspeakable Mind stands as the definitive guide to PTSD and offers lasting hope to sufferers, their loved ones, and health care providers everywhere.

Doctor on Everest-Kenneth Kamler 2002-09-01

Extreme Medicine-Kevin Fong 2015 "Published in Great Britain under the title Extremes: life, death and the limits of the human body by Hodder & Stoughton. First published in the United States of America by The Penguin Press, 2014."--Title page verso.

The End of October-Lawrence Wright 2021-04-27 An Instant New York Times Bestseller From the Pulitzer Prize-winning author of The Looming Tower—a riveting thriller and "all-too-convincing chronicle of science, espionage, action and speculation" (The Wall Street Journal) At an interment camp in Indonesia, forty-seven people are pronounced dead with acute hemorrhagic fever. When epidemiologist Henry Parsons travels there on behalf of the World Health Organization to investigate, what he finds will have staggering repercussions. Halfway across the globe, the deputy director of U.S. Homeland Security scrambles to mount a response to the rapidly spreading pandemic leaping around the world, which she believes may be the result of an act of bio warfare. And a rogue experimenter in man-made diseases is preparing his own terrifying solution. As already-fraying global relations begin to snap, the virus slashes across the United States, dismantling institutions and decimating the population. With his own wife and children facing diminishing odds of survival, Henry travels from Indonesia to Saudi Arabia to his home base at the CDC in Atlanta, searching for a cure and for the origins of this seemingly unknowable disease. The End of October is a one-of-a-kind thriller steeped in real-life political and scientific implications, filled with the insight that has been the hallmark of Wright's acclaimed nonfiction and the full-tilt narrative suspense that only the best fiction can offer.

Maus: a Survivor's Tale-Art Spiegelman 1986 The author-illustrator traces his father's imprisonment in a Nazi concentration camp through a series of disarming and unusual cartoons arranged to tell the story as a novel.

Surviving Hitler's War-H. Vaizey 2010-09-22 Telling the stories of mothers, fathers and children in their own words, Vaizey recreates the experience of family life in Nazi Germany. From last letters of doomed soldiers at Stalingrad to diaries kept by women trying to keep their families alive in cities under attack, the book vividly describes family life under the most extreme conditions.

Childhood Acute Lymphoblastic Leukemia-Ajay Vora 2017-04-21 This book provides a comprehensive and up-to-date review of all aspects of childhood Acute Lymphoblastic Leukemia, from basic biology to supportive care. It offers new insights into the genetic pre-disposition to the condition and discusses how response to early therapy and its basic biology are utilized to develop new prognostic stratification systems and target therapy. Readers will learn about current treatment and outcomes, such as immunotherapy and targeted therapy approaches. Supportive care and management of the condition in resource poor countries are also discussed in detail. This is an indispensable guide for research and laboratory scientists, pediatric hematologists as well as specialist nurses involved in the care of childhood leukemia.

Mindfulness For Warriors-Kim Colegrove 2020-03-17 Coping with the Stress of First Responder Life "Mindfulness for Warriors is a work of major importance that offers practical approaches to self-care and serenity for our first responders..." —Louise Harmon, author of Happiness from A to Z #1 New Release in Military Families A traumatic way of life. First responders have the incredibly difficult job of running toward danger while the rest of us run away. No training prepares them for what they see and endure. Kim Colegrove understands what it's like to watch someone go through that. After 30 years in law enforcement, her husband took his own life. This agonizing experience opened Kim's eyes to the desperate need for an effective form of stress-relief and support for first responders. The power of meditation. Taking care of our mental health is a priority. For first responders, like cops and EMTs facing trauma, ensuring that their heads are in a healthy place is crucial. Kim is here to propose meditation as a resource for first responders. A source of hope. In 2017, Kim founded The PauseFirst Project, Mindfulness for First Responders. Kim offers the PauseFirst block of training to organizations across the country; teaching techniques that help reduce stress, regulate emotion, and improve overall health and well-being. Her work to bring awareness is a tribute to both her husband and the countless other first responders struggling with the realities of their jobs. In Mindfulness for Warriors find: Evidence-based practices to help first responders and families deal with stress Interviews with first responders who share stories of overcoming, surviving, and thriving Colegrove's own raw and intimate story of her husband's troubles and how she continues each day fighting in his memory If you've looked for encouragement from books like Bulletproof Spirit, Bullets in the Washing Machine, or I Love a Cop (Third Edition), you will find a further source of healing in Mindfulness for Warriors.

Pain Management and the Opioid Epidemic-National Academies of Sciences, Engineering, and Medicine 2017-09-28 Drug overdose, driven largely by overdose

related to the use of opioids, is now the leading cause of unintentional injury death in the United States. The ongoing opioid crisis lies at the intersection of two public health challenges: reducing the burden of suffering from pain and containing the rising toll of the harms that can arise from the use of opioid medications. Chronic pain and opioid use disorder both represent complex human conditions affecting millions of Americans and causing untold disability and loss of function. In the context of the growing opioid problem, the U.S. Food and Drug Administration (FDA) launched an Opioids Action Plan in early 2016. As part of this plan, the FDA asked the National Academies of Sciences, Engineering, and Medicine to convene a committee to update the state of the science on pain research, care, and education and to identify actions the FDA and others can take to respond to the opioid epidemic, with a particular focus on informing FDA's development of a formal method for incorporating individual and societal considerations into its risk-benefit framework for opioid approval and monitoring.

Survival of the Sickest LP-Sharon Moalem 2007-05-22 Invites readers to change their perceptions about illness in order to understand disease as an essential component of the evolutionary process, citing the role of such malaises as diabetes, STDs, and the Avian Bird Flu in protecting the survival of the human race. (Health & Fitness)

The Wim Hof Method-Wim Hof 2020-10-20 INSTANT NEW YORK TIMES BESTSELLER The only definitive book authored by Wim Hof on his powerful method for realizing our physical and spiritual potential. "This method is very simple, very accessible, and endorsed by science. Anybody can do it, and there is no dogma, only acceptance. Only freedom." —Wim Hof Wim Hof has a message for each of us: "You can literally do the impossible. You can overcome disease, improve your mental health and physical performance, and even control your physiology so you can thrive in any stressful situation." With The Wim Hof Method, this trailblazer of human potential shares a method that anyone can use—young or old, sick or healthy—to supercharge their capacity for strength, vitality, and happiness. Wim has become known as "The Iceman" for his astounding physical feats, such as spending hours in freezing water and running barefoot marathons over deserts and ice fields. Yet his most remarkable achievement is not any record-breaking performance—it is the creation of a method that thousands of people have used to transform their lives. In his gripping and passionate style, Wim shares his method and his story, including: • Breath—Wim's unique practices to change your body chemistry, infuse yourself with energy, and focus your mind • Cold—Safe, controlled, shock-free practices for using cold exposure to enhance your cardiovascular system and awaken your body's untapped strength • Mindset—Build your willpower, inner clarity, sensory awareness, and innate joyfulness in the miracle of living • Science—How users of this method have redefined what is medically possible in study after study • Health—True stories and testimonials from people using the method to overcome disease and chronic illness • Performance—Increase your endurance, improve recovery time, up your mental game, and more • Wim's Story—Follow Wim's inspiring personal journey of discovery, tragedy, and triumph • Spiritual Awakening—How breath, cold, and mindset can reveal the beauty of your soul Wim Hof is a man on a mission: to transform the way we live by reminding us of our true power and purpose. "This is how we will change the world, one soul at a time," Wim says. "We alter the collective consciousness by awakening to our own boundless potential. We are limited only by the depth of our imagination and the strength of our conviction." If you're ready to explore and exceed the limits of your own potential, The Wim Hof Method is waiting for you.

Skeletons on the Zahara-Dean King 2004-02-16 b.A masterpiece of historical adventure, ISkeletons on the Zahara The western Sahara is a baking hot and desolate place, home only to nomads and their camels, and to locusts, snails and thorny scrub -- and its barren and ever-changing coastline has baffled sailors for centuries. In August 1815, the US brig Commerce was dashed against Cape Bojador and lost, although through bravery and quick thinking the ship's captain, James Riley, managed to lead all of his crew to safety. What followed was an extraordinary and desperate battle for survival in the face of human hostility, starvation, dehydration, death and despair. Captured, robbed and enslaved, the sailors were dragged and driven through the desert by their new owners, who neither spoke their language nor cared for their plight. Reduced to drinking urine, flayed by the sun, crippled by walking miles across burning stones and sand and losing over half of their body weights, the sailors struggled to hold onto both their humanity and their sanity. To reach safety, they would have to overcome not only the desert but also the greed and anger of those who would keep them in captivity. From the cold waters of the Atlantic to the searing Saharan sands, from the heart of the desert to the heart of man, Skeletons on the Zahara is a spectacular odyssey through the extremes and a gripping account of courage, brotherhood, and survival.

Preparing for an Aging World-National Research Council 2001-06-26 Aging is a process that encompasses virtually all aspects of life. Because the speed of population aging is accelerating, and because the data needed to study the aging process are complex and expensive to obtain, it is imperative that countries coordinate their research efforts to reap the most benefits from this important information. Preparing for an Aging World looks at the behavioral and socioeconomic aspects of aging, and focuses on work, retirement, and pensions; wealth and savings behavior; health and disability; intergenerational transfers; and concepts of well-being. It makes recommendations for a collection of new, cross-national data on aging populationsâ€"data that will allow nations to develop policies and programs for addressing the major shifts in population age structure now occurring. These efforts, if made internationally, would advance our understanding of the aging process around the world.

Ethical and Legal Considerations in Mitigating Pandemic Disease-Institute of Medicine 2007-07-08 In recent public workshops and working group meetings, the Forum on Microbial Threats of the Institute of Medicine (IOM) has examined a variety of infectious disease outbreaks with pandemic potential, including those caused by influenza (IOM, 2005) and severe acute respiratory syndrome (SARS) (IOM, 2004). Particular attention has been paid to the potential pandemic threat posed by the H5N1 strain of avian influenza, which is now endemic in many Southeast Asian bird populations. Since 2003, the H5N1 subtype of avian influenza has caused 185 confirmed human deaths in 11 countries, including some cases of viral transmission from human to human (WHO, 2007). But as worrisome as these developments are, at least they are caused by known pathogens. The next pandemic could well be caused by the emergence of a microbe that is still unknown, much as happened in the 1980s with the emergence of the human immunodeficiency virus (HIV) and in 2003 with the appearance of the SARS coronavirus. Previous Forum meetings on pandemic disease have discussed the scientific and logistical challenges associated with pandemic disease recognition, identification, and response. Participants in these earlier meetings also recognized the difficulty of implementing disease control strategies effectively. Ethical and Legal Considerations in Mitigating Pandemic Disease: Workshop Summary as a factual summary of what occurred at the workshop.

Surviving the Zombie Apocalypse-Ryan Chamberlin 2015-01-02 THIS IS YOUR BOOK OF SECRETS The one ensuring you and your loved ones survive! If you've been afraid of what's coming, then rest easy, because those days are now over! By cutting the extra and expanding the essential, we've combined the most important sections from our Survival Medicine series, The Prepper Pages, & created this Mini Med School - just for preppers. An apocalypse is inevitable, because the term "Zombie Apocalypse" is a metaphor for expecting the unexpected. By covering hundreds of conditions known to occur frequently in disasters, this book is going to leave you confident with the way you'll react in medical emergencies. It's not about stabilizing injuries until help arrives. It's about treating injuries and illnesses once and for all. Whether you're buying items to build a comprehensive medical kit, or have found yourself in a disaster without one, this book will teach you exactly what to do. We'll show you how to scavenge what you'll need, and teach you hundreds of medical and surgical skills you won't find elsewhere. With sections on constructing triage and dealing with pandemics, we'll show you how to diagnose and treat Ebola, SARS, and even the next Zombie Virus. "Literally the best prepper medical guide I have found yet! Well done! No nonsense and no beating around the bush. I feel as if I have learned something." - Steven Trumbo (Emmaus, PA) "Full of truly useful information on where to get and, even better, how to use items in your emergency medical kit. This is one book that is definitely a must have!" - Shar

Hiroshima-John Hersey 2020-06-23 Hiroshima is the story of six people--a clerk, a widowed seamstress, a physician, a Methodist minister, a young surgeon, and a German Catholic priest--who lived through the greatest single manmade disaster in history. In vivid and indelible prose, Pulitzer Prize-winner John Hersey traces the stories of these half-dozen individuals from 8:15 a.m. on August 6, 1945, when Hiroshima was destroyed by the first atomic bomb ever dropped on a city, through the hours and days that followed. Almost four decades after the original publication of this celebrated book, Hersey went back to Hiroshima in search of the people whose stories he had told, and his account of what he discovered is now the eloquent and moving final chapter of Hiroshima.