

H M Case Study

The use of case studies to build and test theories in political science and the other social sciences has increased in recent years. Many scholars have argued that the social sciences rely too heavily on quantitative research and formal models and have attempted to develop and refine rigorous methods for using case studies. This text presents a comprehensive analysis of research methods using case studies and examines the place of case studies in social science methodology. It argues that case studies, statistical methods, and formal models are complementary rather than competitive. The book explains how to design case study research that will produce results useful to policymakers and emphasizes the importance of developing policy-relevant theories. It offers three major contributions to case study methodology: an emphasis on the importance of within-case analysis, a detailed discussion of process tracing, and development of the concept of typological theories. Case Studies and Theory Development in the Social Sciences will be particularly useful to graduate students and scholars in social science methodology and the philosophy of science, as well as to those designing new research projects, and will contribute greatly to the broader debate about scientific methods.

Smart Cities for Technological and Social Innovation establishes a key theoretical framework to understand the implementation and development of smart cities as innovation drivers, in terms of lasting impacts on productivity, livability and sustainability of specific initiatives. This framework is based on empirical analysis of 12 case studies, including pioneer projects from Europe, Asia, the Middle East, and more. It explores how successful smart cities initiatives nurture both technological and social innovation using a combination of regulatory governance and private agency. Typologies of smart city-making approaches are explored in depth. Integrative analysis identifies key success factors in establishing innovation relating to the effectiveness of social systems, institutional thickness, governance, the role of human capital, and streamlining funding of urban development projects. Cases from a range of geographies, scales, social and economic contexts Explores how smart cities can promote technological and social innovation in terms of direct impacts on livability, productivity and sustainability Establishes an integrative framework based on empirical evidence to develop more innovative smart city initiatives Investigates the role of governments in coordinating, fostering and guiding innovations resulting from smart city developments Interrogates the policies and governance structures which have been effective in supporting the development and deployment of smart cities

Multicultural Health Translation, Interpreting and Communication presents the latest research in health translation resource development and evaluation, community and professional health interpreting, and the communication of health risks to multicultural populations. Covering a variety of research topics in empirical health translation and interpreting, this advanced resource will be helpful for research students and academics of translation and interpreting studies who have an interest in health issues, particularly in multicultural and multilingual societies. This edited volume brings in interdisciplinary expertise from areas such as translation studies, community interpreting, health communication and education, nursing, medical anthropology and psychology, and will be of interest to healthcare professionals, language services in multilingual societies and researchers interested in communication between healthcare providers and users.

"Introduction to Educational Research: A Critical Thinking Approach 2e is an engaging and informative core text that enables students to think clearly and critically about the scientific process of research. In achieving its goal to make research accessible to all educators and equip them with the skills to understand and evaluate published research, the text examines how educational research is conducted across the major traditions of quantitative, qualitative, mixed methods, and action research. The text is oriented toward consumers of educational research and uses a thinking-skills approach to its coverage of major ideas"--

The importance of quality interpreting in legal and healthcare settings can never be stressed enough, when any mistake – no matter how small – can compromise the delivery of justice or put someone's health at risk. This book addresses issues arising from interpreting in legal and healthcare settings by presenting cutting-edge research findings in interpreting and interpreter education in a number of countries around the world – including those which are relatively new to the field. It contains selected papers from a conference dedicated to such themes – the First International Conference on Legal and Healthcare Interpreting – as well as other invited papers related to the fields of legal and healthcare interpreting. This book is useful not only to scholars and educators, interpreters and translators working in legal or healthcare settings, but also to legal and healthcare professionals who work with interpreters in their day-to-day work, including judges, lawyers, police officers, doctors, midwives and nurses.

This book is the second volume of autobiographical essays by distinguished senior neuroscientists; it is part of the first collection of neuroscience writing that is primarily autobiographical. As neuroscience is a young discipline, the contributors to this volume are truly pioneers of scientific research on the brain and spinal cord. This collection of fascinating essays should inform and inspire students and working scientists alike. The general reader interested in science may also find the essays absorbing, as they are essentially human stories about commitment and the pursuit of knowledge. The contributors included in this volume are: Lloyd M. Beidler, Arvid Carlsson, Donald R. Griffin, Roger Guillemin, Ray Guillery, Masao Ito, Martin G. Larrabee, Jerome Lettvin, Paul D. MacLean, Brenda Milner, Karl H. Pribram, Eugene Roberts and Gunther Stent. Key Features * Second volume in a collection of neuroscience writing that is primarily autobiographical * Contributors are senior neuroscientists who are pioneers in the field

The Mind of a Mnemonist is a rare phenomenon--a scientific study that transcends its data and, in the manner of the best fictional literature, fashions a portrait of an unforgettable human being.

Modeling has become an essential tool for the groundwater hydrologist. Where field data is limited, the analytic element method (AEM) is rapidly becoming the modeling method of choice, especially given the availability of affordable modeling software. Analytic Element Modeling of Groundwater Flow provides all the basics necessary to approach AEM successfully, including a presentation of fundamental concepts and a thorough introduction to Dupuit-Forchheimer flow. This book is unique in its emphasis on the actual use of analytic element models. Real-world examples complement material presented in the text. An educational version of the analytic element program GFLOW is included to allow the reader to reproduce the various solutions to groundwater flow problems discussed in the text. Researchers and graduate students in groundwater hydrology, geology, and engineering will find this book an indispensable resource. * * Provides a fundamental introduction to the use of the analytic element method. * Offers a step-by-step approach to groundwater flow modeling. * Includes an educational version of the GFLOW modeling software.

This book summarizes the results of a revolution in the scientific understanding of memory, mind, and brain that began in 1953 when a twenty-seven-year-old man underwent brain surgery to remedy life-threatening epilepsy. His name was Henry Molaison, but until recently, the general public knew him only as H.M. Henry's operation inadvertently destroyed his hippocampus, the brain's engine for forming new memories. He suffered catastrophic memory failures for the rest of his life. Henry soon became the most studied amnesiac patient in the history of the world and also the most famous. Dr. MacKay worked with Henry for fifty years. This book focuses primarily on the lessons of the still ongoing revolution that Henry inspired for readers wishing to maintain the everyday functioning of their memory, mind, and brain. The research done with Henry has shown how to keep memory sharp at any age and acquire ways to offset the degradation that aging and infrequent use inflict on memory. It has also given scientists insights into the different types of memory-- for example, memories of events, facts, skills, words, and visual experiences-- and the likelihood of forgetting each type of memory. Finally, it has

revealed the profound importance of memory- memory decline impacts even such seemingly unrelated aspects of mind as the ability to plan, to comprehend, to detect and correct errors, to appreciate humor, to perceive the visual world, to imagine hypothetical events, and to create novel ideas. Written in an accessible style, this engaging narrative combines personal vignettes into Henry's life with important new findings about memory and brain functions.

A unique case-based molecular approach to understanding pathology *Pathology: A Modern Case Study* is a concise, focused text that emphasizes the molecular and cellular biology essential to understanding the concepts of disease causation. The book includes numerous case studies designed to highlight the role of the pathologist in the team that provides patient care. *Pathology: A Modern Case Study* examines the role of anatomic, clinical, and molecular pathologists in dedicated chapters and in descriptions of the pathology of specific organ systems. Features Coverage of pathology focuses on modern approaches to common and important diseases Each chapter delivers the most up-to-date advances in pathology Learning aids include chapter summaries and overviews, bolded terms, and a glossary Common clinically relevant disease are highlighted Disease discussion is based on organ compartment and etiology Coverage includes: Disease and the Genome: Genetic, Developmental and Neoplastic Disease Cell Injury, Death and Aging and the Body's Response Environmental Injury Clinical Practice: Anatomic Pathology Clinical Practice: Molecular Pathology Clinical Practice: Molecular Pathology Organ-specific pathology covering all major body systems Molecular pathology Essential for undergraduate medical students and clinicians who wish to expand their knowledge pathology, *Pathology: A Modern Case Study* delivers valuable coverage that is directly related to a patient's condition and the clinical practice of pathology.

Building on pioneering animal studies, and making use of new, noninvasive techniques for studying the human brain, research on the human amygdala has blossomed in recent years. This comprehensive volume brings together leading authorities to synthesize current knowledge on the amygdala and its role in psychological function and dysfunction. Initial chapters discuss how animal models have paved the way for work with human subjects. Next, the book examines the amygdala's involvement in emotional processing, learning, memory, and social interaction. The final section presents key advances in understanding specific clinical disorders: anxiety disorders, depression, schizophrenia, autism, and Alzheimer's disease. Illustrations include more than 25 color plates.

Fully revised and updated, the second edition of the *International Encyclopedia of the Social and Behavioral Sciences*, first published in 2001, offers a source of social and behavioral sciences reference material that is broader and deeper than any other. Available in both print and online editions, it comprises over 3,900 articles, commissioned by 71 Section Editors, and includes 90,000 bibliographic references as well as comprehensive name and subject indexes. Provides authoritative, foundational, interdisciplinary knowledge across the wide range of behavioral and social sciences fields Discusses history, current trends and future directions Topics are cross-referenced with related topics and each article highlights further reading

Now authored by two outstanding occupational therapy experts and 48 contributors who include educators, clinicians, and leaders in their profession, the fifth edition of this trusted text introduces occupation-based practice in the context of working with physical disabilities. It gives a comprehensive, in-depth overview of occupational therapy, history and theory, the occupational therapy process, evaluation and intervention in the occupational performance areas, the performance components, interventions, and treatment applications.

We shall examine the validity of 16 experimental designs against 12 common threats to valid inference. By experiment we refer to that portion of research in which variables are manipulated and their effects upon other variables observed. It is well to distinguish the particular role of this chapter. It is not a chapter on experimental design in the Fisher (1925, 1935) tradition, in which an experimenter having complete mastery can schedule treatments and measurements for optimal statistical efficiency, with complexity of design emerging only from that goal of efficiency. Insofar as the designs discussed in the present chapter become complex, it is because of the intransigency of the environment: because, that is, of the experimenter's lack of complete control.

The aim of this book is to present qualitative and qualitative aspects of logistics operations and supply chain management which help to implement the sustainable policy principles in the companies and public sector's institutions. Authors in individual chapters address the issues related to reverse network configuration, forward and reverse supply chain integration, CO2 reduction in transportation, improvement of the production operations and management of the recovery activities. Some best practices from different countries and industries are presented. This book will be valuable to both academics and practitioners wishing to deepen their knowledge in the field of logistics operations and management with regard to sustainability issues.

In his most extraordinary book, the bestselling author of *Awakenings* and "poet laureate of medicine" (*The New York Times*) recounts the case histories of patients inhabiting the compelling world of neurological disorders, from those who are no longer able to recognize common objects to those who gain extraordinary new skills. Featuring a new preface, Oliver Sacks's *The Man Who Mistook His Wife for a Hat* tells the stories of individuals afflicted with perceptual and intellectual disorders: patients who have lost their memories and with them the greater part of their pasts; who are no longer able to recognize people and common objects; whose limbs seem alien to them; who lack some skills yet are gifted with uncanny artistic or mathematical talents. In Dr. Sacks's splendid and sympathetic telling, his patients are deeply human and his tales are studies of struggles against incredible adversity. A great healer, Sacks never loses sight of medicine's ultimate responsibility: "the suffering, afflicted, fighting human subject."

Through a set of unique case studies written by an international group of practicing forensic anthropologists, *Case Studies in Forensic Anthropology: Bonified Skeletons* prepares students and professionals for the diverse range of cases and challenges they will encounter in the field. Every forensic anthropology case is unique. Practitioners routinely face new challenges and unexpected outcomes. Courses and introductory texts generally address standard or ideal cases. In practice, however, forensic anthropologists must improvise frequently during forensic archaeological recoveries and laboratory analyses based on case circumstances. Most forensic anthropologists have encountered unconventional cases with surprising results. While these cases act as continuing education for practitioners—better preparing them for future encounters— such learning opportunities may be limited by the extent of personal experiences. This text exposes practitioners and students to a diverse array of case examples they may not otherwise encounter, sharing experiential knowledge and contributing to the advancement the field. *Case Studies in Forensic Anthropology* aims to both prepare aspiring forensic anthropologists and inform current practitioners. The cases are interesting and unique, detailing how specific challenges contribute to the body of forensic anthropological knowledge and practice. Key Features Full-color photographs illustrate the scenes and skeletal features "Lessons Learned" sections for each case study emphasize take-away points Thought-provoking "Discussion Questions" encourage readers to think critically and facilitate group discussions Actual case experiences by diverse array of forensic anthropologists who discuss innovative methods and unique challenges

This business classic features straight-talking advice you'll never hear in school. Featuring a new foreword by Ariel Emanuel and Patrick Whitesell Mark H. McCormack, one of

the most successful entrepreneurs in American business, is widely credited as the founder of the modern-day sports marketing industry. On a handshake with Arnold Palmer and less than a thousand dollars, he started International Management Group and, over a four-decade period, built the company into a multimillion-dollar enterprise with offices in more than forty countries. To this day, McCormack's business classic remains a must-read for executives and managers at every level. Relating his proven method of "applied people sense" in key chapters on sales, negotiation, reading others and yourself, and executive time management, McCormack presents powerful real-world guidance on • the secret life of a deal • management philosophies that don't work (and one that does) • the key to running a meeting—and how to attend one • the positive use of negative reinforcement • proven ways to observe aggressively and take the edge • and much more Praise for *What They Don't Teach You at Harvard Business School* "Incisive, intelligent, and witty, *What They Don't Teach You at Harvard Business School* is a sure winner—like the author himself. Reading it has taught me a lot."—Rupert Murdoch, executive chairman, News Corp, chairman and CEO, 21st Century Fox "Clear, concise, and informative . . . Like a good mentor, this book will be a valuable aid throughout your business career."—Herbert J. Siegel, chairman, Chris-Craft Industries, Inc. "Mark McCormack describes the approach I have personally seen him adopt, which has not only contributed to the growth of his business, but mine as well."—Arnold Palmer "There have been what we love to call dynasties in every sport. IMG has been different. What this one brilliant man, Mark McCormack, created is the only dynasty ever over all sport."—Frank Deford, senior contributing writer, *Sports Illustrated*

Exam paper covered: Edexcel GCSE (9-1) Psychology First teaching: September 2017 First exams: Summer 2019 Specifically designed to support you with the Edexcel GCSE (9-1) Psychology course and assessments. Provides contemporary and engaging examples that students can relate to such as 'why we forget things' and what can affect our memory'. 'Psychology in Action' features show how theories apply to everyday life. Helps students to build practical skills and apply knowledge with features such as 'Apply It', 'Try It' and 'Develop It'. Includes a dedicated chapter on research methods and provides maths tips throughout. Includes 'preparing for your exams' sections at the end of each topic plus lots of practice and guidance throughout, with a focus on the extended writing questions.

This book is open access under a CC BY 4.0 license. This book provides a unique overview of the impacts of railways on biodiversity, integrating the existing knowledge on the ecological effects of railways on wildlife, identifying major knowledge gaps and research directions and presenting the emerging field of railway ecology. The book is divided into two major parts: Part one offers a general review of the major conceptual and theoretical principles of railway ecology. The chapters consider the impacts of railways on wildlife populations and concentrate on four major topics: mortality, barrier effects, species invasions and disturbances (ranging from noise to chemical pollution). Part two focuses on a number of case studies from Europe, Asia and North America written by an international group of experts.

Originally published in 1993, this book provides the clinician, researcher and student with a comprehensive account of the neuropsychology of the amnesic syndrome. The opening chapter places the amnesic syndrome within the overall context of memory disorders and provides a theoretical basis for understanding the presentation of the clinical and experimental findings which form the major part of the work. The second chapter provides an extensive account of the various methods used to assess memory and associated deficits and provides guidelines as to the most effective assessment strategy. The next five chapters are concerned with the specific aetiologies giving rise to the amnesic syndrome: Wernicke-Korsakoff Syndrome; Thalamic Amnesia; Medial Temporal Lobe Amnesia; Herpes Simplex Encephalitis; and ruptured aneurysms of the anterior communicating artery. Each of these chapters contains an account of the associated neuropathology, descriptions of experimental findings and illustrative case histories from the authors' own experimental and clinical experience. The next chapter provides the reader with an account of some of the more important scientific issues that have arisen from the studies of the amnesic syndrome and a final chapter considers current and future prospects for behavioural remediation of severe memory deficit.

"Oliver Sacks meets Stephen King"* in this propulsive, haunting journey into the life of the most studied human research subject of all time, the amnesic known as Patient H.M. For readers of *The Immortal Life of Henrietta Lacks* comes a story that has much to teach us about our relentless pursuit of knowledge. Winner of the PEN/E.O. Wilson Literary Science Writing Award • Los Angeles Times Book Prize Winner NAMED ONE OF THE BEST BOOKS OF THE YEAR BY The Washington Post • New York Post • NPR • The Economist • New York • Wired • Kirkus Reviews • BookPage In 1953, a twenty-seven-year-old factory worker named Henry Molaison—who suffered from severe epilepsy—received a radical new version of the then-common lobotomy, targeting the most mysterious structures in the brain. The operation failed to eliminate Henry's seizures, but it did have an unintended effect: Henry was left profoundly amnesic, unable to create long-term memories. Over the next sixty years, Patient H.M., as Henry was known, became the most studied individual in the history of neuroscience, a human guinea pig who would teach us much of what we know about memory today. Patient H.M. is, at times, a deeply personal journey. Dittrich's grandfather was the brilliant, morally complex surgeon who operated on Molaison—and thousands of other patients. The author's investigation into the dark roots of modern memory science ultimately forces him to confront unsettling secrets in his own family history, and to reveal the tragedy that fueled his grandfather's relentless experimentation—experimentation that would revolutionize our understanding of ourselves. Dittrich uses the case of Patient H.M. as a starting point for a kaleidoscopic journey, one that moves from the first recorded brain surgeries in ancient Egypt to the cutting-edge laboratories of MIT. He takes readers inside the old asylums and operating theaters where psychosurgeons, as they called themselves, conducted their human experiments, and behind the scenes of a bitter custody battle over the ownership of the most important brain in the world. Patient H.M. combines the best of biography, memoir, and science journalism to create a haunting, endlessly fascinating story, one that reveals the wondrous and devastating things that can happen when hubris, ambition, and human imperfection collide. "An exciting, artful blend of family and

medical history.”—The New York Times *Kirkus Reviews (starred review)

The author of the bestseller *The Disappearing Spoon* reveals the secret inner workings of the brain through strange but true stories. Early studies of the human brain used a simple method: wait for misfortune to strike -- strokes, seizures, infectious diseases, horrendous accidents -- and see how victims coped. In many cases their survival was miraculous, if puzzling. Observers were amazed by the transformations that took place when different parts of the brain were destroyed, altering victims' personalities. Parents suddenly couldn't recognize their own children. Pillars of the community became pathological liars. Some people couldn't speak but could still sing. In *The Tale of the Dueling Neurosurgeons*, Sam Kean travels through time with stories of neurological curiosities: phantom limbs, Siamese twin brains, viruses that eat patients' memories, blind people who see through their tongues. He weaves these narratives together with prose that makes the pages fly by, to create a story of discovery that reaches back to the 1500s and the high-profile jousting accident that inspired this book's title.* With the lucid, masterful explanations and razor-sharp wit his fans have come to expect, Kean explores the brain's secret passageways and recounts the forgotten tales of the ordinary people whose struggles, resilience, and deep humanity made neuroscience possible. *"*The Tale of the Dueling Neurosurgeons*" refers to the case of French king Henri II, who in 1559 was lanced through the skull during a joust, resulting in one of the most significant cases in neuroscience history. For hundreds of years scientists have gained important lessons from traumatic accidents and illnesses, and such misfortunes still represent their greatest resource for discovery.

In an embedded case study, the starting and end point is the comprehension of the case as a whole in its real-world context. However, in the course of analysis the case will be faceted either by different perspectives of inquiry or by several sub-units. The book presents different methodological approaches to organize this faceting process. It uses the power of the system approach in order to apply methods, which allow a scientific treatment of complex cases in a way that will be also acknowledged by the quantitative research community. The authors emphasize that a qualitative analysis starting from the real-world level is an indispensable part of case analysis. Thus the book bridges the gap between quantitative and qualitative approaches to complex problems when using the case study methodology.

In 1953, 27-year-old Henry Gustave Molaison underwent an experimental "psychosurgical" procedure -- a targeted lobotomy -- in an effort to alleviate his debilitating epilepsy. The outcome was unexpected -- when Henry awoke, he could no longer form new memories, and for the rest of his life would be trapped in the moment. But Henry's tragedy would prove a gift to humanity. As renowned neuroscientist Suzanne Corkin explains in *Permanent Present Tense*, she and her colleagues brought to light the sharp contrast between Henry's crippling memory impairment and his preserved intellect. This new insight that the capacity for remembering is housed in a specific brain area revolutionized the science of memory. The case of Henry -- known only by his initials H. M. until his death in 2008 -- stands as one of the most consequential and widely referenced in the spiraling field of neuroscience. Corkin and her collaborators worked closely with Henry for nearly fifty years, and in *Permanent Present Tense* she tells the incredible story of the life and legacy of this intelligent, quiet, and remarkably good-humored man. Henry never remembered Corkin from one meeting to the next and had only a dim conception of the importance of the work they were doing together, yet he was consistently happy to see her and always willing to participate in her research. His case afforded untold advances in the study of memory, including the discovery that even profound amnesia spares some kinds of learning, and that different memory processes are localized to separate circuits in the human brain. Henry taught us that learning can occur without conscious awareness, that short-term and long-term memory are distinct capacities, and that the effects of aging-related disease are detectable in an already damaged brain. Undergirded by rich details about the functions of the human brain, *Permanent Present Tense* pulls back the curtain on the man whose misfortune propelled a half-century of exciting research. With great clarity, sensitivity, and grace, Corkin brings readers to the cutting edge of neuroscience in this deeply felt elegy for her patient and friend.

This new edition incorporates revised guidance from H.M Treasury which is designed to promote efficient policy development and resource allocation across government through the use of a thorough, long-term and analytically robust approach to the appraisal and evaluation of public service projects before significant funds are committed. It is the first edition to have been aided by a consultation process in order to ensure the guidance is clearer and more closely tailored to suit the needs of users.

This book adopts a case study based research approach to examine the contemporary issues in the fashion industry. It documents real-world practices in fashion business from production, marketing to operations. Founded on an extensive review of literature, these case studies discuss the challenges that are pertinent to the current business environment in this important industry, provide benchmarks and generate insights to practitioners as well as suggest future directions to researchers. The book serves as a nexus of the theories and the industrial practices that advances knowledge for both the academia and the private sector in fashion business.

Epilepsy is one of the most common potentially serious disorders of the brain, and patients often suffer from memory problems. This book comprehensively reviews all aspects of the relationship between this common and potentially serious neurological disorder and memory, one of the core functions of the human mind.

As today's valued examples of modern architecture age to the point that preservation is called for, the methods and technology used in such preservation must be carefully considered so that the design integrity of the building is maintained. Written by the president of an organization committed to the documentation and preservation of modern architecture, this book outlines best practices for undertaking such efforts and addresses the latest technological advances in the field. Containing relevant case studies of preservation projects in the United States and in Europe, this is the only professional reference for architects dedicated specifically to the subject of preserving modern

architecture. "Winner of the Association for Preservation Technology International 2008 Lee Nelson Book Award"

The classic manifesto of the liberated woman, this book explores every facet of a woman's life.

A novelist and a neuroscientist uncover the secrets of human memory. What makes us remember? Why do we forget? And what, exactly, is a memory? With playfulness and intelligence, *Adventures in Memory* answers these questions and more, offering an illuminating look at one of our most fascinating faculties. The authors—two Norwegian sisters, one a neuropsychologist and the other an acclaimed writer—skillfully interweave history, research, and exceptional personal stories, taking readers on a captivating exploration of the evolving understanding of the science of memory from the Renaissance discovery of the hippocampus—named after the seahorse it resembles—up to the present day. Mixing metaphor with meta-analysis, they embark on an incredible journey: “diving for seahorses” for a memory experiment in Oslo fjord, racing taxis through London, and “time-traveling” to the future to reveal thought-provoking insights into remembering and forgetting. Along the way they interview experts of all stripes, from the world’s top neuroscientists to famous novelists, to help explain how memory works, why it sometimes fails, and what we can do to improve it. Filled with cutting-edge research and nimble storytelling, the result is a charming—and memorable—adventure through human memory.

The first book of two, *Advanced Subsidiary Psychology* seeks to develop an understanding of the principles of Psychology and to illustrate these by reference examples relevant to students' own interests and experience. Fully in line with the AS Edexcel specifications, Book 1 covers the first three units of the award and provides a thorough preparation for the AS examination.

The majority of meat, milk, and eggs consumed in the United States are produced in concentrated animal feeding operations (CAFO). With concentrated animal operations, in turn comes concentrated manure accumulation, which can pose a threat of contamination of air, soil, and water if improperly managed. *Animal Manure: Production, Characteristics, Environmental Concerns, and Management* navigates these important environmental concerns while detailing opportunities for environmentally and economically beneficial utilization.

Industrial desalination of sea and brackish water is becoming an essential part in providing sustainable sources of fresh water for a larger number of communities around the world. Desalination is a main source of fresh water in the Gulf countries, a number of the Caribbean and Mediterranean Islands, and several municipalities in a large number of countries. As the industry expands there is a pressing need to have a clear and well-written textbook that focuses on desalination fundamentals and other industrial aspects. This book focuses on the processes widely used in industry, which include multistage flash desalination and reverse osmosis. Also, other desalination processes with attractive features and high potential are featured. It includes a large number of solved examples, which are explained in simple and careful matter that allow the reader to follow and understand the development. The data used in the development of the examples and case studies are extracted from existing desalination plants. This title also includes comparisons of model predictions against results reported in literature as well as available experimental and industrial data. Several industries include similar unit operation processes, i.e., evaporators, condensers, flashing units, membrane separation, and chemical treatment. Examples of such industries include wastewater treatment, food, petroleum, petrochemical, power generation, and pulp and paper. Process fundamentals and design procedures of such unit processes follow the same procedures given in this textbook.

In all cognitive domains, neuropsychological research has advanced through the study of individual patients, and detailed observations and descriptions of their cases have been the backbone of medical and scientific reports for centuries. *Cases of Amnesia* describes some of the most important single case studies in the history of memory, as well as new case studies of amnesic patients. It highlights the major contribution they make to our understanding of human memory and neuropsychology. Written by world-leading researchers and considering the latest theory and techniques in the field, each case study provides a description of the patient's history, how their memory was assessed and what conclusions can be made in relation to cognitive models of memory. Edited by Sarah E. MacPherson and Sergio Della Sala, *Cases of Amnesia* is a must read for researchers and clinicians in neuropsychology, cognitive psychology and cognitive neuroscience.

Have you heard about the man who lived with a hole in his head? Or the boy raised by his parents as a girl? From the woman with multiple personalities, to the man with no brain, this collection of case studies provides a compelling insight into the human mind. This is a fascinating collection of human stories. Some are well-known case studies that have informed clinical practice, others are relatively unknown. For this edition, Rolls has added recent research findings on each case study plus four brand new cases: the story of Washoe, the ape who could communicate; the much debated case of Holly Ramona and repressed memory; and Kim Peek, the real 'Rainman'. *Classic Case Studies in Psychology* is for everyone who has ever wondered about the stranger side of life. No prior knowledge of psychology is required, just an open mind. For those who wish to use this book as part of their studies, or who are just keen to learn more, fun multiple choice questions, fascinating further reading, helpful web links, and self-assessment questions are all available free on our website, www.routledge.com/cw/rolls. Prepare to be amazed ...

Brain Facts is a primer on the brain and nervous system, published by the Society for Neuroscience. *Brain Facts* is a valuable resource for educators, students, and anyone interesting in learning about neuroscience. Download an audio recording of *Brain Facts* today, available on BrainFacts.org and through iTunes U. The brain is the most complex biological structure in the known universe. It is a topic rich with exciting new discoveries, continuing profound unknowns, and critical implications for individuals, families, and

