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These are the papers from the 2014 Cambridge Tax Law History Conference revised and reviewed for publication. The papers fall within six basic themes. Two papers focus on colonialism and empire dealing with early taxation in colonial New Zealand and New South Wales. Two papers deal with fiscal federalism; one on Australia in the first half of the twentieth century and the other with goods and services taxation in China. Another two papers are international in character; one considers development of the first Australia-United States tax treaty and the other development of the first League of Nations model tax treaties. Four papers focus on UK income tax; one on source, another on retention at source, a third on the use of finance bills and the fourth on establishment of the Board of Referees. Three papers deal with tax and status; one with the tax profession, another with the medical profession and a third with aristocrats. The final three papers deal with tax theorists, one with David Hume, another focused on capital transfer tax scholarship and a final paper on the tax state in the global era. This book considers the so-called Unlikely Intersections, a topic that embraces well-known issues, such as Lang's and Manin-Mumford's, concerning torsion points in subvarieties of tori or abelian varieties. More generally, the book considers algebraic subgroups that meet a given subvariety in a set of unlikely dimension. The book is an expansion of the Hermann Weyl Lectures delivered by Umberto Zannier at the Institute for Advanced Study in Princeton in May 2010. The book consists of four chapters and seven brief appendixes, the last six by David Masser. The first chapter considers multiplicative algebraic groups, presenting proofs of several developments, ranging from the origins to recent results, and discussing many applications and relations with other contexts. The second chapter considers an analogue in arithmetic and several applications of this. The third chapter introduces a new method for approaching some of these questions, and presents a detailed application of this (by Masser and the author) to a relative case of the Manin-Mumford issue. The fourth chapter focuses on the André-Oort conjecture (outlining work by Pila). The complement to *The Rat Brain in Stereotaxic Coordinates, Chemoarchitectonic Atlas of the Rat Brain, Third Edition*, features a single brain series of high-quality plates stained with eight different markers, extensively annotated and labelled throughout. Plates from the previous edition of *Chemoarchitectonic Atlas of the Rat Brain* have been re-scanned at high resolution and are shown in color. Labeled structures have been revised, corrected, and updated, providing users with a streamlined, up-to-date, and highly accurate compendium of chemical markers. Researchers with a need to understand the detailed organization of the rat brain as well as structure/function relationships will need this atlas and its array of stains. Provides an archive of chemical markers in the rat brain used in many areas of research Discusses primary data to help researchers identify structures in their own preparations from neuroanatomical, physiological, neuropharmacological, and gene expression studies Accompanies the gold standard reference on the neuroanatomy of the nervous system of the most important model animal in neuroscience and experimental psychology Covers both the rat forebrain and the rat brainstem Thoroughly revised identification of structures following the new data from *The Rat Brain in Stereotaxic Coordinates* 7th edition and the *Chick Brain in Stereotaxic Coordinates* 2nd edition Includes the Expert Consult eBook version, compatible with PC, Mac, and most mobile devices and eReaders, which allows readers to browse, search, and interact with content Adolescent endometriosis is a previously overlooked disease in children, the true prevalence of which is still unknown but has been estimated between 19-73%. There are numerous initial challenges faced by adolescents suffering from delayed or undiagnosed endometriosis apart from experiencing chronic pain, such as: school/work absenteeism, false diagnoses/treatments, erroneous physician referrals, unnecessary radiological studies, radiation exposure, and

emergency room visits as well as early exposure to narcotic pain medications and subsequent drug tolerance, resistance or even addiction. This text presents a clear history of physician and patient understanding and awareness of endometriosis in adolescents. It lays the groundwork for this condition with background information on endometriosis in general followed by a more focused look at endometriosis in adolescents. Leading experts in the field provide chapters on the different locations where endometriotic lesions can present in adolescents as well as identified risk factors and concomitant diseases of which it is important to be aware. In addition to the clinical presentation, this book also provides information on breaking down existing barriers, such as stigma, and current activism and awareness of this condition. Adolescent Endometriosis is a first-of-its-kind text that focuses exclusively on endometriosis in the adolescent population. Written by experts in the field, this book is a comprehensive resource for clinicians in all medical disciplines that treat adolescent age girls. The study of climate today seems to be dominated by global warming, but these predictions of climatic models must be placed in their geological, paleo-climatic, and astronomical context to create a complete picture of the Earth's future climate. The Future of the World's Climate presents that perspective with data and projections that have emerged from more technologically advanced and accurate climate modeling. The book is comprised of 18 new and revised chapters that feature reviews of current climate science. The authors are drawn from all over the world and from the highest regarded peer-reviewed groups. Each chapter has undergone major revisions and new content has been added throughout. Authored by the world's leading climate scientists, most of whom are also contributing authors to the IPCC Assessment Reports. More than 200 tables, diagrams, illustrations, and photographs Climate modeling technology is more advanced and precise than it was 15 years ago-a major implication featured in this new edition. This welcome resource traces the evolution of self-concept clarity and brings together diverse strands of research on this important and still-developing construct. Locating self-concept clarity within current models of personality, identity, and the self, expert contributors define the construct and its critical roles in both individual and collective identity and functioning. The book examines commonly-used measures for assessing clarity, particularly in relation to the more widely understood concept of self-esteem, with recommendations for best practices in assessment. In addition, a wealth of current data highlights the links between self-concept clarity and major areas of mental wellness and dysfunction, from adaptation and leadership to body image issues and schizophrenia. Along the way, it outlines important future directions in research on self-concept clarity. Included in the coverage: Situating self-concept clarity in the landscape of personality. Development of self-concept clarity across the lifespan. Self-concept clarity and romantic relationships. Who am I and why does it matter? Linking personal identity and self-concept clarity. Consequences of self-concept clarity for well-being and motivation. Self-concept clarity and psychopathology. Self-Concept Clarity fills varied theoretical, empirical, and practical needs across mental health fields, and will enhance the work of academics, psychologists interested in the construct as an area of research, and clinicians working with clients struggling with developing and improving their self-concept clarity. This book, dedicated to the memory of Gian-Carlo Rota, is the result of a collaborative effort by his friends, students and admirers. Rota was one of the great thinkers of our times, innovator in both mathematics and phenomenology. I feel moved, yet touched by a sense of sadness, in presenting this volume of work, despite the fear that I may be unworthy of the task that befalls me. Rota, both the scientist and the man, was marked by a generosity that knew no bounds. His ideas opened wide the horizons of fields of research, permitting an astonishing number of students from all over the globe to become enthusiastically involved. The contagious energy with which he demonstrated his tremendous mental capacity always proved fresh and inspiring. Beyond his renown as gifted scientist, what was particularly striking in Gian-Carlo Rota was his ability to appreciate the diverse intellectual capacities of those before him and to adapt his communications accordingly. This human sense, complemented by his acute appreciation of the importance of the individual, acted as a catalyst in bringing forth the very best in each one of his students. Whosoever was fortunate enough to enjoy Gian-Carlo Rota's longstanding friendship was most enriched by the experience, both mathematically and philosophically, and had occasion to appreciate son cote de bon vivant. The book opens with a heartfelt piece by Henry Crapo in which he meticulously pieces together what Gian-Carlo Rota's untimely demise has bequeathed to science. Comprehensive, elementary introduction to real and functional analysis covers basic concepts and introductory principles in set theory, metric spaces, topological and linear spaces, linear functionals and linear operators, more. 1970 edition. The Essential VCE Mathematics series has a reputation for mathematical excellence, with an approach developed over many years by a highly regarded author team of practising teachers and mathematicians. This approach encourages understanding through a wealth of examples and exercises, with an emphasis on VCE examination-style questions. New in the enhanced versions: • TI-Nspire OS3 and Casio ClassPad calculator explanations, examples and problems are integrated into the text. • Page numbers in the printed text reflect the previous TI-nspire and Casio ClassPad version allowing for continuity and compatibility. • Digital versions of the student text are available in Interactive HTML and PDF formats through Cambridge GO. 'A true love story' - Mia Freedman, founder of Mamamia Rachael and Jonathan were thrilled to welcome their baby Mackenzie into the world and to start their new lives as parents. Little did they know that in a few months they would be tested to endurance and beyond. Like many other couples starting a family, Rachael and Jonathan had no idea they were both carriers for a genetic disease, and that 1 in 20 babies are affected by genetic birth defects. Their daughter was one of those babies, and Mackenzie's Mission is Rachael's beautiful and heartwarming account of Mackenzie's life, child loss, and a journey through IVF. Determined that other couples should not go through the same heartbreak, Rachael and Jonathan are now champions for genetic testing. This is a story of triumph over adversity, the strength that can be found in kindness and the power of one couple to effect positive change in the world. 'Heartbreaking and inspiring. A must read for anyone who's lost a child, loved a child, or is desperately trying to for a child. You will cry but you will also find comfort in this incredible story.' - Erin Molan, sports presenter, Nine Network 'A book about grief and finding

purpose through unimaginable loss and heartbreak. Beautiful Mackenzie will continue to have a powerful impact on this world through the work of her remarkable parents.' - Libby Trickett, Olympic swimming gold medallist and author of *Beneath the Surface* 'The most extraordinary story of a mother's love and her daughter's legacy.' - Marcia Leone, creator of *Not So Mumsy* This book presents a comprehensive overview and analysis of mangrove ecological processes, structure, and function at the local, biogeographic, and global scales and how these properties interact to provide key ecosystem services to society. The analysis is based on an international collaborative effort that focuses on regions and countries holding the largest mangrove resources and encompasses the major biogeographic and socio-economic settings of mangrove distribution. Given the economic and ecological importance of mangrove wetlands at the global scale, the chapters aim to integrate ecological and socio-economic perspectives on mangrove function and management using a system-level hierarchical analysis framework. The book explores the nexus between mangrove ecology and the capacity for ecosystem services, with an emphasis on thresholds, multiple stressors, and local conditions that determine this capacity. The interdisciplinary approach and illustrative study cases included in the book will provide valuable resources in data, information, and knowledge about the current status of one of the most productive coastal ecosystem in the world. Over the past decades international affairs have been increasingly legalized. International law has dramatically expanded into new fields and taken on new challenges. Despite this development, there has been little in-depth scholarship on what impact these changes have had on the field of international legal theory, how it is taught, and where it is going. This volume investigates the major developments in the field and explores the core assumptions and concepts, analytical tools, and key challenges associated with different approaches. An outstanding team of legal academics provides an accessible overview of competing theoretical movements, and a more in-depth understanding of the strengths, preoccupations, insights, and limits of those schools of thought. The contributions provide an authoritative account of current thinking about the theoretical foundations of contemporary international law and will serve as an indispensable resource for students, scholars, and practitioners. This volume introduces readers to regulatory theory. Aimed at practitioners, postgraduate students and those interested in regulation as a cross-cutting theme in the social sciences, *Regulatory Theory* includes chapters on the social-psychological foundations of regulation as well as theories of regulation such as responsive regulation, smart regulation and nodal governance. It explores the key themes of compliance, legal pluralism, meta-regulation, the rule of law, risk, accountability, globalisation and regulatory capitalism. The environment, crime, health, human rights, investment, migration and tax are among the fields of regulation considered in this ground-breaking book. Each chapter introduces the reader to key concepts and ideas and contains suggestions for further reading. The contributors, who either are or have been connected to the Regulatory Institutions Network (RegNet) at The Australian National University, include John Braithwaite, Valerie Braithwaite, Peter Grabosky, Neil Gunningham, Fiona Haines, Terry Halliday, David Levi-Faur, Christine Parker, Colin Scott and Clifford Shearing. James Henslin has always been able to share the excitement of sociology, with his acclaimed "down-to-earth" approach and personal writing style that highlight the sociology of everyday life and its relevance to students' lives. Adapted for students studying within Australia, this text, now in a second edition, has been made even more relevant and engaging to students. With wit, personal reflection, and illuminating examples, the local author team share their passion for sociology, promote sociology to students and entice them to delve deeper into this exciting science. Six central themes run throughout this text: down-to-earth sociology, globalisation, cultural diversity, critical thinking, the new technology, and the growing influence of the mass media on our lives. These themes are especially useful for introducing the controversial topics that make studying sociology such a lively, exciting activity. *Rational Intuition* explores the concept of intuition as it relates to rationality through mediums of history, philosophy, cognitive science, and psychology. *Military Injury Biomechanics: The Cause and Prevention of Impact Injuries* is a reference manual where information and data from a large number of sources, focussing on injuries related to military events, has been critically reviewed and discussed. The book covers the cause and prevention of impact injuries to all the major body regions, while topics such as the historical background of military impact biomechanics, the history and use of anthropomorphic test devices for military applications and the medical management of injuries are also discussed. An international team of experts have been brought together to examine and review the topics. The book is intended for researchers, postgraduate students and others working or studying defence and impact injuries. *Political Management* lays out the core tools to manage government, campaigns and parties. The first book to combine management concepts with politics and government, it provides core theories for what Political Planning, Political HR, Political Organising, Political Leadership and Political Reviewing involve, illustrated with high level political practitioner interviews, examples and political documents. The text presents the 4 Ds of Political Management - Deliberating, Designing, Doing and Dancing - to convey that Political Management is more of a dance than a march. Even presidents and prime ministers do not have enough formal authority to control the myriad of practitioners, players, processes and policies involved in 21st century governance. In this book, the author demonstrates why political practitioners in campaign teams, parties, government departments and political offices need political management tools to utilise the resources they have available and overcome multiple obstacles that practical politics presents. By offering a clear sense of what political management involves and providing the theoretical frameworks to be used in empirical research, this book will stimulate significant future study. It will be invaluable to practitioners, scholars and students in politics, government, policy, leadership, management, public administration, and political management. Revised edition enhanced with an interactive online textbook and TI-Nspire OS3 updates. The Essential VCE Mathematics series has a reputation for mathematical excellence, with an approach developed over many years by a highly regarded author team of practising teachers and mathematicians. This approach encourages understanding through a wealth of examples and exercises, with an emphasis on VCE examination-style questions. New in Standard General Mathematics Second Edition Enhanced TI-N/CP Version: • An

additional chapter on bivariate data with an early introduction to regression analysis, a key topic in Further Mathematics. • Updated worked examples and exercises, with revisions for CAS calculator use. • The TI-Nspire CAS is updated to OS3 in the CAS calculator explanations, examples and problems integrated into the text, which also feature the Casio ClassPad

- Page numbers in the printed text reflect the previous TI-nspire and Casio ClassPad version allowing for continuity and compatibility.

Starting in the early 1970s, a type of programmed cell death called apoptosis began to receive attention. Over the next three decades, research in this area continued at an accelerated rate. In the early 1990s, a second type of programmed cell death, autophagy, came into focus. Autophagy has been studied in mammalian cells for many years. The recent This book describes the fundamental concepts, the latest developments and the outlook of the field of nanozymes (i.e., the catalytic nanomaterials with enzymatic characteristics). As one of today's most exciting fields, nanozyme research lies at the interface of chemistry, biology, materials science and nanotechnology. Each of the book's six chapters explores advances in nanozymes. Following an introduction to the rise of nanozymes research in the course of research on natural enzymes and artificial enzymes in Chapter 1, Chapters 2 through 5 discuss different nanomaterials used to mimic various natural enzymes, from carbon-based and metal-based nanomaterials to metal oxide-based nanomaterials and other nanomaterials. In each of these chapters, the nanomaterials' enzyme mimetic activities, catalytic mechanisms and key applications are covered. In closing, Chapter 6 addresses the current challenges and outlines further directions for nanozymes. Presenting extensive information on nanozymes and supplemented with a wealth of color illustrations and tables, the book offers an ideal guide for readers from disparate areas, including analytical chemistry, materials science, nanoscience and nanotechnology, biomedical and clinical engineering, environmental science and engineering, green chemistry, and novel catalysis. Since the 1860s, hundreds of thousands of school-aged Australians have undergone military and youth development training in various army cadet programs. This is the first book to tell the cadet story across both time and space in a single narrative, presenting a general history of the army cadet movement in Australia from 1866 to 2006. Taking into account the various criss-crossing among mathematical subject, Physical Combinatorics presents new results and exciting ideas from three viewpoints; representation theory, integrable models, and combinatorics. This work is concerned with combinatorial aspects arising in the theory of exactly solvable models and representation theory. Recent developments in integrable models reveal an unexpected link between representation theory and statistical mechanics through combinatorics. The first complete guide to burnout, based on groundbreaking new research. It shows how you can tell whether you really have burnout, and helps you shape a strategy for recovery that will work for you. Are you always exhausted? Unable to feel for others or for life's pleasures? Find it hard to concentrate and take in what you read? You may have burnout. Burnout is widespread among high achievers in the workplace, in business and in caring professions like health and teaching. Parents with new babies and those caring for the elderly and people with disabilities are also at risk. Although burnout is so common, it's often undiagnosed or misdiagnosed - most commonly as depression. Drawing on groundbreaking new research, this book hands you the tools to work out whether you have burnout - or not. The good news? It is possible to recover from even severe burnout. The authors show you how to recognise your own burnout pattern, how far you have travelled into burnout territory, and provide a broad-based management approach to help you regain your spark and build your resilience. With fascinating new insights into the biology of burnout, and stories from people who have brought themselves back from the brink, Burnout is a complete guide for anyone who suspects they may have burnout, for their families, for health professionals and employers. 'I cried reading parts of this book. Profoundly insightful, with information that is superbly liberating about a phenomenon that imprisons too many of us. Highly recommended.' - Dr Sonia Henry, bestselling author of *Going Under* 'Burnout doesn't have to mean the end of your career.' - Alice Cooney, Principal Solicitor, Office of Public Prosecutions Victoria This book is a tribute to Professor Ian Hugh Sloan on the occasion of his 80th birthday. It consists of nearly 60 articles written by international leaders in a diverse range of areas in contemporary computational mathematics. These papers highlight the impact and many achievements of Professor Sloan in his distinguished academic career. The book also presents state of the art knowledge in many computational fields such as quasi-Monte Carlo and Monte Carlo methods for multivariate integration, multi-level methods, finite element methods, uncertainty quantification, spherical designs and integration on the sphere, approximation and interpolation of multivariate functions, oscillatory integrals, and in general in information-based complexity and tractability, as well as in a range of other topics. The book also tells the life story of the renowned mathematician, family man, colleague and friend, who has been an inspiration to many of us. The reader may especially enjoy the story from the perspective of his family, his wife, his daughter and son, as well as grandchildren, who share their views of Ian. The clear message of the book is that Ian H. Sloan has been a role model in science and life. Are you getting the most learning value from visuals? Thoroughly revised and updated, *Graphics for Learning* is the second edition of the bestselling book that summarizes the guidelines for the best use of graphics for instructional materials, including multimedia, texts, working aids, and slides. The guidelines are based on the most current empirical scientific research and are illustrated with a wealth of examples from diverse training materials. The authors show how to plan illustrations for various types of content, including facts, concepts, processes, procedures, and principles. The book also discusses technical and environmental factors that will influence how instructional professionals can apply the guidelines to their training projects. Praise for the First Edition "For years I've been looking for a book that links cognitive research on learning to graphics and instructional design. Here it is! Ruth Clark and Chopeta Lyons not only explain how to make graphics work—they've created a very interesting read, full of useful guidelines and examples." —Lynn Kearny, CPT, instructional designer and graphic communicator, *Graphic Tools for Thinking and Learning* "Finally! A book that integrates visual design into the larger context of instructional design and development." —Linda Lohr, Ed.D., author, *Creating Graphics for Learning* and assistant professor, University of Northern Colorado This volume contains a unique selection of

chapters covering a wealth of contemporary topics in this ubiquitous and diverse system of cell signaling. It offers much more than the accessibility and authority of a primary text book, exploring topics ranging from the fundamental aspects of calcium signaling to its varied clinical implications. It presents comprehensive discussion of cutting-edge research alongside detailed analysis of critical issues, at the same time as setting out testable hypotheses that point the way to future scientific endeavors. The contributions feature material on theoretical and methodological topics as well as related subjects including mathematical modeling and simulations. They examine calcium signaling in a host of contexts, from mammalian cells to bacteria, fruit fly and zebrafish. With much of interest to newcomers to the field as well as seasoned experts, this new publication is both wide-ranging and authoritative. The chapter "Calcium Signaling: From Basic to Bedside" is available open access under a Creative Commons Attribution 4.0 International License via [link.springer.com](http://link.springer.com).

Proceedings of the 2016 Conference held in New Berlin, Germany, October 27-30, 2016 This bestselling textbook teaches students how to do quantum mechanics and provides an insightful discussion of what it actually means. Much of the history of corporate law has concerned itself not with shareholder power, but rather with its absence. Recent shifts in capital market structure require a reassessment of the role and power of shareholders. These original, specially commissioned Innovation, Strategy and Risk in Construction integrates insights from business and government leaders with contemporary research, to help built environment professionals turn serendipity to their own advantage by building greater innovative and adaptive capacity into their operations. Accessible and full of practical examples, the book argues that traditional business strategies which seek to systematise innovation and eliminate uncertainty need to be balanced with more flexible approaches which acknowledge and harness uncertainty. The missing key to innovation, it is argued, is to turn serendipity into capability. The author proposes a simple model which allows managers to tap into the increasingly dynamic and interconnected nature of the construction industry. Innovation does not occur in isolation within individual firms, but through collaboration. Each stakeholder in the construction industry has a responsibility to drive innovation, and this book will be key reading for consultants, contractors, subcontractors, suppliers and clients, as well as policy makers and all serious students of construction management.

Developmental Pathways to Disruptive, Impulse-Control, and Conduct Disorders provides essential understanding on how disruptive behavior disorder (DBD) is characterized, its early markers and etiology, and the empirically-based treatment for the disorder. The book covers features and assessment of various DBDs, including oppositional-defiant disorder, conduct disorder, and antisocial personality disorder, the psychological markers of externalizing problems, such as irritability and anger, common elements of effective evidence-based treatments for DBD for behavioral treatments, cognitive therapies, and family and community therapies. A final section discusses new and emerging insights in the prevention and treatment of DBD. Provides a critical foundation for understanding how disruptive behavior disorder (DBD) is defined Looks at early markers and etiology of DBD Goes beyond the surface-level treatment provided by other books, offering in-depth coverage of various DBDs, such as oppositional-defiant disorder and antisocial personality disorder Examines the causal factors and developmental pathways implicated in DBD Includes cutting-edge insights into the prevention of DBD prior to the emergence of symptoms The Handbook of the Economics of Corporate Governance, Volume One, covers all issues important to economists. It is organized around fundamental principles, whereas multidisciplinary books on corporate governance often concentrate on specific topics. Specific topics include Relevant Theory and Methods, Organizational Economic Models as They Pertain to Governance, Managerial Career Concerns, Assessment & Monitoring, and Signal Jamming, The Institutions and Practice of Governance, The Law and Economics of Governance, Takeovers, Buyouts, and the Market for Control, Executive Compensation, Dominant Shareholders, and more. Providing excellent overviews and summaries of extant research, this book presents advanced students in graduate programs with details and perspectives that other books overlook. Concentrates on underlying principles that change little, even as the empirical literature moves on Helps readers see corporate governance systems as interrelated or even intertwined external (country-level) and internal (firm-level) forces Reviews the methodological tools of the field (theory and empirical), the most relevant models, and the field's substantive findings, all of which help point the way forward Increasing employment and supporting people into work are key elements of the Government's public health and welfare reform agendas. This independent review, commissioned by the Department for Work and Pensions, examines scientific evidence on the health benefits of work, focusing on adults of working age and the common health problems that account for two-thirds of sickness absence and long-term incapacity. The study finds that there is a strong evidence base showing that work is generally good for physical and mental health and well-being, taking into account the nature and quality of work and its social context, and that worklessness is associated with poorer physical and mental health. Work can be therapeutic and can reverse the adverse health effects of unemployment, in relation to healthy people of working age, for many disabled people, for most people with common health problems and for social security beneficiaries. Wiley is proud to publish a new revision of this successful classic text known for its elegant writing style, precision and perfect balance of theory and applications. The Tenth Edition is refined to offer students an even clearer understanding of calculus and insight into mathematics. It includes a wealth of rich problem sets which makes calculus relevant for students. Salas/Hille/Etgen is recognized for its mathematical integrity, accuracy, and clarity. Known for its accessible, precise approach, Epp's DISCRETE MATHEMATICS WITH APPLICATIONS, 5th Edition, introduces discrete mathematics with clarity and precision. Coverage emphasizes the major themes of discrete mathematics as well as the reasoning that underlies mathematical thought. Students learn to think abstractly as they study the ideas of logic and proof. While learning about logic circuits and computer addition, algorithm analysis, recursive thinking, computability, automata, cryptography and combinatorics, students discover that ideas of discrete mathematics underlie and are essential to today's science and technology. The author's emphasis on reasoning provides a foundation for computer science and upper-level mathematics courses. Important Notice:

Media content referenced within the product description or the product text may not be available in the ebook version. In the southern summer of 1972/73, the Glomar Challenger was the first vessel of the international Deep Sea Drilling Project to venture into the seas surrounding Antarctica, confronting severe weather and ever-present icebergs. *A Memory of Ice* presents the science and the excitement of that voyage in a manner readable for non-scientists. Woven into the modern story is the history of early explorers, scientists and navigators who had gone before into the Southern Ocean. The departure of the Glomar Challenger from Fremantle took place 100 years after the HMS Challenger weighed anchor from Portsmouth, England, at the start of its four-year voyage, sampling and dredging the world's oceans. Sailing south, the Glomar Challenger crossed the path of James Cook's HMS Resolution, then on its circumnavigation of Antarctica in search of the Great South Land. Encounters with Lieutenant Charles Wilkes of the US Exploring Expedition and Douglas Mawson of the Australasian Antarctic Expedition followed. In the Ross Sea, the voyages of the HMS Erebus and HMS Terror under James Clark Ross, with the young Joseph Hooker as botanist, were ever present. The story of the Glomar Challenger's iconic voyage is largely told through the diaries of the author, then a young scientist experiencing science at sea for the first time. It weaves together the physical history of Antarctica with how we have come to our current knowledge of the polar continent. This is an attractive, lavishly illustrated and curiosity-satisfying read for the general public as well as for scholars of science.

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