

## Science Focus 4 2nd Edition

'A comprehensive, well-written and beautifully organized book on publishing articles in the humanities and social sciences that will help its readers write forward with a first-rate guide as good company.' - Joan Bolker, author of *Writing Your Dissertation in Fifteen Minutes a Day* 'Humorous, direct, authentic ... a seamless weave of experience, anecdote, and research.' - Kathleen McHugh, professor and director of the UCLA Center for the Study of Women Wendy Laura Belcher's *Writing Your Journal Article in Twelve Weeks: A Guide to Academic Publishing Success* is a revolutionary approach to enabling academic authors to overcome their anxieties and produce the publications that are essential to succeeding in their fields. Each week, readers learn a particular feature of strong articles and work on revising theirs accordingly. At the end of twelve weeks, they send their article to a journal. This invaluable resource is the only guide that focuses specifically on publishing humanities and social science journal articles.

Michel Foucault offers an iconoclastic exploration of why we feel compelled to continually analyze and discuss sex, and of the social and mental mechanisms of power that cause us to direct the questions of what we are to what our sexuality is.

Due to recent theoretical findings and advances in statistical computing, there has been a rapid development of techniques and applications in the area of missing data analysis. *Statistical Methods for Handling Incomplete Data* covers the most up-to-date statistical theories and computational methods for analyzing incomplete data. Features Uses the mean score equation as a building block for developing the theory for missing data analysis Provides comprehensive coverage of computational techniques for missing data analysis Presents a rigorous treatment of imputation techniques, including multiple imputation fractional imputation Explores the most recent advances of the propensity score method and estimation techniques for nonignorable missing data Describes a survey sampling application Updated with a new chapter on Data Integration Now includes a chapter on Advanced Topics, including kernel ridge regression imputation and neural network model imputation The book is primarily aimed at researchers and graduate students from statistics, and could be used as a reference by applied researchers with a good quantitative background. It includes many real data examples and simulated examples to help readers understand the methodologies.

The Science Focus Second Edition is the complete science package for the teaching of the New South Wales Stage 4 and 5 Science Syllabus. The Science Focus Second Edition package retains the identified strengths of the highly successful First Edition and includes a number of new and exciting features, improvements and components. The innovative Teacher Edition with CD allows a teacher to approach the teaching and learning of Science with confidence as it includes pages from the student book with wrap around teacher notes including answers, hints, strategies and teaching and assessment advice.

The standard reference for practitioners, researchers, and students, this acclaimed work brings together internationally recognized experts from diverse mental health, medical, and allied health care disciplines. Contributors review established and emerging theories and findings; probe questions of culture, gender, health, and disorder; and present evidence-based assessment, treatment, and prevention approaches for the full range of body image concerns. Capturing the richness and complexity of the field in a readily accessible format, each of the 53 concise chapters concludes with an informative annotated bibliography. New to This Edition \*Addresses the most urgent current questions in the field. \*Reflects significant advances in key areas: assessment, body image in boys and men, obesity, illness-related body image issues, and cross-cultural research. \*Conceptual Foundations section now incorporates evolutionary, genetic, and positive psychology perspectives. \*Increased coverage of prevention.

The #1 New York Times bestseller. Over 3 million copies sold! *Tiny Changes, Remarkable Results* No matter your goals, *Atomic Habits* offers a proven framework for improving--every day. James Clear, one of the world's leading experts on habit formation, reveals practical strategies that will teach you exactly how to form good habits, break bad ones, and master the tiny behaviors that lead to remarkable results. If you're having trouble changing your habits, the problem isn't you. The problem is your system. Bad habits repeat themselves again and again not because you don't want to change, but because you have the wrong system for change. You do not rise to the level of your goals. You fall to the level of your systems. Here, you'll get a proven system that can take you to new heights. Clear is known for his ability to distill complex topics into simple behaviors that can be easily applied to daily life and work. Here, he draws on the most proven ideas from biology, psychology, and neuroscience to create an easy-to-understand guide for making good habits inevitable and bad habits impossible. Along the way, readers will be inspired and entertained with true stories from Olympic gold medalists, award-winning artists, business leaders, life-saving physicians, and star comedians who have used the science of small habits to master their craft and vault to the top of their field. Learn how to: • make time for new habits (even when life gets crazy); • overcome a lack of motivation and willpower; • design your environment to make success easier; • get back on track when you fall off course; ...and much more. *Atomic Habits* will reshape the way you think about progress and success, and give you the tools and strategies you need to transform your habits--whether you are a team looking to win a championship, an organization hoping to redefine an industry, or simply an individual who wishes to quit smoking, lose weight, reduce stress, or achieve any other goal.

This is the first edition of Charles Darwin's *On the Origin of Species*, published on November 24, 1859 in London by John Murray. It is a seminal work in scientific literature and a landmark work in evolutionary biology. It introduced the theory that populations evolve over the course of generations through a process of natural selection. It presented a body of evidence that the diversity of life arose by common descent through a branching pattern of evolution. The starting chapters introduce the theory of natural selection, explaining why certain species thrive, while others decrease in number, how the members of nature are in competition with each other and why organisms tend to vary and change with

time. Much of this work is based on experiments and observations seen within domestic animals and plants. The later chapters defend the theory of natural selection against apparent inconsistencies, why geological records are incomplete, why we find species so widespread and how sterility can be inherited when the organisation is unable to reproduce and more. The book is approachable for any audience.

Unleash your inner superachiever! A superachiever is one who achieves more than most, with the mission of becoming their best self while in the process of positively impacting the world. In essence, we are the individuals that get things done; we achieve whatever goals we set, quickly and exceptionally well. Here is the thing though - sometimes we get sidetracked. Perhaps we feel beat down by trying to achieve our goals; or we become overwhelmed because there are so many things we want to accomplish; or we neglect our health and temporarily lose the high energy we need to superachieve. There are many reasons a superachiever can get sidetracked - which is the entire reason for Quit Bleeping Around! It is time to quit bleeping around and to fully unleash your inner superachiever. You must do what you were put on this earth to do - to leave it a better place than you found it. This book is a companion to the course, Five Areas of Focus for Superachieving, and will help you identify the obstacles you've created for yourself and give you strategies for removing them.

Materials in a nuclear environment are exposed to extreme conditions of radiation, temperature and/or corrosion, and in many cases the combination of these makes the material behavior very different from conventional materials. This is evident for the four major technological challenges the nuclear technology domain is facing currently: (i) long-term operation of existing Generation II nuclear power plants, (ii) the design of the next generation reactors (Generation IV), (iii) the construction of the ITER fusion reactor in Cadarache (France), (iv) and the intermediate and final disposal of nuclear waste. In order to address these challenges, engineers and designers need to know the properties of a wide variety of materials under these conditions and to understand the underlying processes affecting changes in their behavior, in order to assess their performance and to determine the limits of operation. Comprehensive Nuclear Materials 2e provides broad ranging, validated summaries of all the major topics in the field of nuclear material research for fission as well as fusion reactor systems. Attention is given to the fundamental scientific aspects of nuclear materials: fuel and structural materials for fission reactors, waste materials, and materials for fusion reactors. The articles are written at a level that allows undergraduate students to understand the material, while providing active researchers with a ready reference resource of information. Most of the chapters from the first Edition have been revised and updated and a significant number of new topics are covered in completely new material. During the ten years between the two editions, the challenge for applications of nuclear materials has been significantly impacted by world events, public awareness, and technological innovation. Materials play a key role as enablers of new technologies, and we trust that this new edition of Comprehensive Nuclear Materials has captured the key recent developments. Critically reviews the major classes and functions of materials, supporting the selection, assessment, validation and engineering of materials in extreme nuclear environments Comprehensive resource for up-to-date and authoritative information which is not always available elsewhere, even in journals Provides an in-depth treatment of materials modeling and simulation, with a specific focus on nuclear issues Serves as an excellent entry point for students and researchers new to the field

NOTE: You are purchasing a standalone product; MasteringBiology (tm) does not come packaged with this content. If you would like to purchase both the physical text and MasteringBiology search for: 0321962583 / 9780321962584 Campbell Biology in Focus Plus MasteringBiology with eText -- Access Card Package, 2/e Package consists of: 0134156382 / 9780134156385 MasteringBiology with Pearson eText -- ValuePack Access Card -- for Campbell Biology in Focus 0321962753 / 9780321962751 Campbell Biology in Focus, 2/e In 930 text pages, Campbell Biology in Focus, Second Edition, emphasizes the essential content, concepts, and scientific skills needed for success in the college introductory course for biology majors. Focus. Practice. Engage. Campbell Biology in Focus is the best-selling "short" textbook for the introductory college biology course for science majors. Every unit takes an approach to streamlining the material that best fits the needs of instructors, based on surveys, curriculum initiatives, reviews, discussions with hundreds of biology professors, careful analyses of course syllabi, and the report Vision and Change in Undergraduate Biology Education. The Second Edition builds on the Campbell hallmark standards of accuracy, clarity, and pedagogical innovation, going beyond this foundation to help students make connections visually across chapters, interpret real data from research, and synthesize their knowledge. The accompanying digital resources include new, mobile-friendly tools that help instructors teach challenging topics better than ever before; integrate the eText with videos and animations; and allow students to test, learn, and retest until they achieve mastery of the content. Also Available with MasteringBiology (tm) This title is also available with MasteringBiology - an online homework, tutorial, and assessment product proven to improve results by helping students quickly master concepts. Students benefit from self-paced tutorials that feature personalized wrong-answer feedback and hints that emulate the office-hour experience and help keep students on track. With a wide range of interactive, engaging, and assignable activities, students are encouraged to actively learn and retain tough course concepts. New MasteringBiology activities for this edition include Interpret the Data Questions, which challenge students to analyze real data presented in a graph, figure or table, and Solve It Tutorials, which engage students in a multistep investigation of a scientific "mystery." For instructors, new Ready-to-Go Teaching Modules provide easy-to-use assignments for before and after class plus in-class activities with clicker questions and questions in Learning Catalytics(tm).

Experts estimate that as many as 98,000 people die in any given year from medical errors that occur in hospitals. That's more than die from motor vehicle accidents, breast cancer, or AIDS--three causes that receive far more public attention. Indeed, more people die annually from medication errors than from workplace injuries. Add the financial cost to the human tragedy, and medical error easily rises to the top ranks of urgent, widespread public problems. To Err Is Human

breaks the silence that has surrounded medical errors and their consequence--but not by pointing fingers at caring health care professionals who make honest mistakes. After all, to err is human. Instead, this book sets forth a national agenda--with state and local implications--for reducing medical errors and improving patient safety through the design of a safer health system. This volume reveals the often startling statistics of medical error and the disparity between the incidence of error and public perception of it, given many patients' expectations that the medical profession always performs perfectly. A careful examination is made of how the surrounding forces of legislation, regulation, and market activity influence the quality of care provided by health care organizations and then looks at their handling of medical mistakes. Using a detailed case study, the book reviews the current understanding of why these mistakes happen. A key theme is that legitimate liability concerns discourage reporting of errors--which begs the question, "How can we learn from our mistakes?" Balancing regulatory versus market-based initiatives and public versus private efforts, the Institute of Medicine presents wide-ranging recommendations for improving patient safety, in the areas of leadership, improved data collection and analysis, and development of effective systems at the level of direct patient care. To Err Is Human asserts that the problem is not bad people in health care--it is that good people are working in bad systems that need to be made safer. Comprehensive and straightforward, this book offers a clear prescription for raising the level of patient safety in American health care. It also explains how patients themselves can influence the quality of care that they receive once they check into the hospital. This book will be vitally important to federal, state, and local health policy makers and regulators, health professional licensing officials, hospital administrators, medical educators and students, health caregivers, health journalists, patient advocates--as well as patients themselves. First in a series of publications from the Quality of Health Care in America, a project initiated by the Institute of Medicine

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This question-and-answer formatted book provides a complete yet focused review of clinical neurophysiology. It contains 534 questions and detailed answers with page references to larger reference books and textbooks of interest. Emphasis is on key concepts that every neurologist/neurophysiologist must master to take qualification boards or to practice this discipline. Coverage includes basic physics and electronics with their direct practical implications, electroencephalography, evoked potentials, nerve conduction studies, electromyography, sleep medicine, autonomic testing and central neurophysiology, and neurophysiological intraoperative monitoring. A companion Website will present all of the questions and answers in the book in electronic format.

Overhaul your approach to concentration and productivity using strategic, science-proven methods to save hours a day and achieve twice as much. Your current focus and productivity tactics might be "adequate." But they will never be great or reach their potential if you don't understand how your psychology and physiology work together to affect your focus. Short circuit your brain into instant focus. The Science of Powerful Focus looks at focus in a revolutionary new way, and sheds light on studies both new and old that lead to the path of massive productivity and conquering of goals. It is a holistic view of how focus can be tackled from every angle of a person's life. Other books will tell you to simply ditch your phone, stop multi-tasking, and sleep more. Is that really helpful information, or is it just common sense? Here, even the concept of focus is re-defined, and you will learn a plethora of actionable ways to integrate science into your daily life. Clear your mind, sit, and grind. Peter Hollins has studied psychology and peak human performance for over a dozen years and is a bestselling author. He has worked with dozens of individuals to unlock their potential and path towards success. His writing draws on his academic, coaching, and research experience. Defeat distractions and get "into the zone" on command. •Master the foundations of discipline and willpower. •Set goals that inevitable. •The biological basis behind procrastination. •Managing energy, your circadian rhythm, and nature's schedule. Stop procrastinating and do more in half the time. •How to effectively "singletask." •How to prime your mental engine. •To-do lists, priority lists, don't do lists, and all you need to keep you accountable and on track. Master your focus, master your life.

In highlighting the unique features of focus groups, Cyr explains how they can help social science researchers effectively answer certain research questions.

The importance of achieving focus goes well beyond your own productivity. Deep focus allows you to lead others successfully, find clarity amid uncertainty, and heighten your sense of professional fulfillment. Yet the forces that challenge sustained focus range from dingy phones to office politics to life's everyday worries. This book explains how to strengthen your ability to focus, manage your team's attention, and break the cycle of distraction. This volume includes the work of: Daniel Goleman Heidi Grant Amy Jen Su Rasmus Hougaard HOW TO BE HUMAN AT WORK. The HBR Emotional Intelligence Series features smart, essential reading on the human side of professional life from the pages of Harvard Business Review. Each book in the series offers proven research showing how our emotions impact our work lives, practical advice for managing difficult people and situations, and inspiring essays on what it means to tend to our emotional well-being at work. Uplifting and practical, these books describe the social skills that are critical for ambitious professionals to master.

Comparative Biology of the Normal Lung, 2nd Edition, offers a rigorous and comprehensive reference for all those involved in pulmonary research. This fully updated work is divided into sections on anatomy and morphology, physiology, biochemistry, and immunological response. It continues to provide a unique comparative perspective on the mammalian lung. This edition includes several new chapters and expanded content, including aging and development of the normal lung, mechanical properties of the lung, genetic polymorphisms, the comparative effect of stress of pulmonary immune function, oxygen signaling in the mammalian lung and much more. By addressing scientific advances and critical issues in lung research, this 2nd edition is a timely and valuable work on comparative data for the interpretation of studies of animal models as compared to the human lung. Edited and authored by experts in the field to provide an excellent and timely review of cross-species comparisons that will help you interpret and compare data from animal studies to human findings Incorporates lung anatomy and physiology, cell specific interactions and

immunological responses to provide you with a single and unique multidisciplinary source on the comparative biology of the normal lung Includes new and expanded content on neonatal and aged lungs, developmental processes, cell signaling, antioxidants, airway cells, safety pharmacology and much more Section IV on Physical and Immunological Defenses has been significantly updated with 9 new chapters and an increased focus on the pulmonary immunological system

Once camera assistants have learned and practiced the rules of their job, they can then begin to explore and test their limits. Stressing theory as well as hands-on experience, *Optics and Focus for Camera Assistants* melds technical knowledge and skills with technique and attitude to provide key information on one of the most vital parts of a camera assistant's job: focus. Assistants will learn how to make themselves invaluable on the set by being able to apply theoretical approaches to problem solving, allowing them to extrapolate from theory to any practical situation, as opposed to following cook-book style solutions. The book also stresses enhanced techniques for greater speed and precision in routine equipment-handling procedures. In addition to covering such important topics as diagnostic optics for use in the field, fundamental and advanced estimating and focus techniques, and depth of field, *Optics and Focus for Camera Assistants* also offers essential information on how best to be mentally and physically prepared for the job. Fritz Hershey has been a freelance camera assistant for more than 15 years, working principally on commercials. His feature film credits include *Year of the Dragon*.

Fleeing home from his military service in Afghanistan when his wife dies in an apparent freak household accident, Dr. Mike Scanlon struggles with the tragedy, his inability to bond with his new baby daughter and a downsizing in his medical practice only to discover a shocking secret that changes his understanding of everything. By the Edgar Award-winning author of *Come Home*. 300,000 first printing.

Thoroughly updated throughout, this second edition of *Monte Carlo Techniques in Radiation Therapy: Applications to Dosimetry, Imaging, and Preclinical Radiotherapy*, edited by Joao Seco and Frank Verhaegen, explores the use of Monte Carlo methods for modelling various features of internal and external radiation sources. Monte Carlo methods have been heavily used in the field of radiation therapy in applications such as dosimetry, imaging, radiation chemistry, modelling of small animal irradiation units, etc. The aim of this book is to provide a compendium of the Monte Carlo methods that are commonly used in radiation therapy applications, which will allow students, postdoctoral fellows, and university professors to learn and teach Monte Carlo techniques. This book provides concise but detailed information about many Monte Carlo applications that cannot be found in any other didactic or scientific book. This second edition contains many new chapters on topics such as: Monte Carlo studies of prompt gamma emission Developments in proton imaging Monte Carlo for cone beam CT imaging Monte Carlo modelling of proton beams for small animal irradiation Monte Carlo studies of microbeam radiation therapy Monte Carlo in micro- and nano-dosimetry GPU-based fast Monte Carlo simulations for radiotherapy This book is primarily aimed at students and scientists wishing to learn and improve their knowledge of Monte Carlo methods in radiation therapy.

Shortlisted for the 2021 International Booker Prize A fictional examination of the lives of real-life scientists and thinkers whose discoveries resulted in moral consequences beyond their imagining. *When We Cease to Understand the World* is a book about the complicated links between scientific and mathematical discovery, madness, and destruction. Fritz Haber, Alexander Grothendieck, Werner Heisenberg, Erwin Schrödinger—these are some of luminaries into whose troubled lives Benjamín Labatut thrusts the reader, showing us how they grappled with the most profound questions of existence. They have strokes of unparalleled genius, alienate friends and lovers, descend into isolation and insanity. Some of their discoveries reshape human life for the better; others pave the way to chaos and unimaginable suffering. The lines are never clear. At a breakneck pace and with a wealth of disturbing detail, Labatut uses the imaginative resources of fiction to tell the stories of the scientists and mathematicians who expanded our notions of the possible.

*Essential Cell Biology* provides a readily accessible introduction to the central concepts of cell biology, and its lively, clear writing and exceptional illustrations make it the ideal textbook for a first course in both cell and molecular biology. The text and figures are easy-to-follow, accurate, clear, and engaging for the introductory student. Molecular detail has been kept to a minimum in order to provide the reader with a cohesive conceptual framework for the basic science that underlies our current understanding of all of biology, including the biomedical sciences. The Fourth Edition has been thoroughly revised, and covers the latest developments in this fast-moving field, yet retains the academic level and length of the previous edition. The book is accompanied by a rich package of online student and instructor resources, including over 130 narrated movies, an expanded and updated Question Bank. *Essential Cell Biology, Fourth Edition* is additionally supported by the Garland Science Learning System. This homework platform is designed to evaluate and improve student performance and allows instructors to select assignments on specific topics and review the performance of the entire class, as well as individual students, via the instructor dashboard. Students receive immediate feedback on their mastery of the topics, and will be better prepared for lectures and classroom discussions. The user-friendly system provides a convenient way to engage students while assessing progress. Performance data can be used to tailor classroom discussion, activities, and lectures to address students' needs precisely and efficiently. For more information and sample material, visit <http://garlandscience.rocketmix.com/>.

The revolutionary literary vision that sowed the seeds of Objectivism, Ayn Rand's groundbreaking philosophy, and brought her immediate worldwide acclaim. This modern classic is the story of intransigent young architect Howard Roark, whose integrity was as unyielding as granite...of Dominique Francon, the exquisitely beautiful woman who loved Roark passionately, but married his worst enemy...and of the fanatic denunciation unleashed by an enraged society against a great creator. As fresh today as it was then, Rand's provocative novel presents one of the most challenging ideas in all of fiction—that man's ego is the fountainhead of human progress... "A writer of great power. She has a subtle and ingenious mind and the capacity of writing brilliantly, beautifully, bitterly...This is the only novel of ideas written by an American woman that I can recall."—The New York Times

The *Focus On Middle School Biology Student Textbook* gives young students a strong foundation in the scientific discipline of biology. Students will learn about taxonomy, cell structure and types of cells, photosynthesis, plant structure and life cycles, single-celled organisms and how they move and eat, the life cycle of the frog, the life cycle of the butterfly, and ecosystems. The *Focus On Middle School Biology Student Textbook* contains 10 full-color chapters. Grades 5-8.

Missing data pose challenges to real-life data analysis. Simple ad-hoc fixes, like deletion or mean imputation, only work under highly restrictive conditions, which are often not met in practice. Multiple imputation replaces each missing value by multiple plausible values. The variability between these replacements reflects our ignorance of the true (but missing) value. Each of the completed data set is then analyzed by standard methods, and the results are pooled to obtain unbiased estimates with correct confidence intervals. Multiple imputation is a general approach that also inspires novel solutions to old problems by reformulating the task at hand as a missing-data problem. This is the second edition of a popular book on multiple imputation, focused on explaining the application of methods through detailed worked examples using the MICE package as developed by the author. This new edition incorporates the recent developments in this fast-moving field. This

class-tested book avoids mathematical and technical details as much as possible: formulas are accompanied by verbal statements that explain the formula in accessible terms. The book sharpens the reader's intuition on how to think about missing data, and provides all the tools needed to execute a well-grounded quantitative analysis in the presence of missing data.

Documents the troubling influence of a small group of scientists who the author contends misrepresent scientific facts to advance key political and economic agendas, revealing the interests behind their detractions on findings about acid rain, DDT, and other hazards.

The Guardian's Best Science Book of 2017: the fascinating science and history of the air we breathe. It's invisible. It's ever-present. Without it, you would die in minutes. And it has an epic story to tell. In *Caesar's Last Breath*, New York Times bestselling author Sam Kean takes us on a journey through the periodic table, around the globe, and across time to tell the story of the air we breathe, which, it turns out, is also the story of earth and our existence on it. With every breath, you literally inhale the history of the world. On the ides of March, 44 BC, Julius Caesar died of stab wounds on the Senate floor, but the story of his last breath is still unfolding; in fact, you're probably inhaling some of it now. Of the sextillions of molecules entering or leaving your lungs at this moment, some might well bear traces of Cleopatra's perfumes, German mustard gas, particles exhaled by dinosaurs or emitted by atomic bombs, even remnants of stardust from the universe's creation. Tracing the origins and ingredients of our atmosphere, Kean reveals how the alchemy of air reshaped our continents, steered human progress, powered revolutions, and continues to influence everything we do. Along the way, we'll swim with radioactive pigs, witness the most important chemical reactions humans have discovered, and join the crowd at the Moulin Rouge for some of the crudest performance art of all time. Lively, witty, and filled with the astounding science of ordinary life, *Caesar's Last Breath* illuminates the science stories swirling around us every second.

*Research Methods: Information, Systems, and Contexts, Second Edition*, presents up-to-date guidance on how to teach research methods to graduate students and professionals working in information management, information science, librarianship, archives, and records and information systems. It provides a coherent and precise account of current research themes and structures, giving students guidance, appreciation of the scope of research paradigms, and the consequences of specific courses of action. Each of these valuable sections will help users determine the relevance of particular approaches to their own questions. The book presents academics who teach research and information professionals who carry out research with new resources and guidance on lesser-known research paradigms. Provides up-to-date knowledge of research methods and their applications Provides a coherent and precise account of current research themes and structures through chapters written by authors who are experts in their fields Helps students and researchers understand the range of quantitative and qualitative approaches available for research, as well as how to make practical use of them Provides many illustrations from projects in which authors have been involved, to enhance understanding Emphasises the nexus between formulation of research question and choice of research methodology Enables new researchers to understand the implications of their planning decisions

This book emerged from shared interests and conversations over many years between former Ph.D. chemists, now leaders in science policy and industry who all share a commitment to public service. While the training of Ph.D. chemists is generally targeted at a research career, the opportunities that lie beyond the degree are much more diverse. Nine Ph.D. chemists who chose careers outside of academia describe their career choices and reflect on advice they have looking back on their career path for those just starting theirs. This is the last line of their preface: if the stories in these pages speak to you: Welcome to the family.

*Procreare iucundum, sed parturire molestum.* (Gauss, sec. Eisenstein) The plan of this book was first conceived eight years ago. The manuscript developed slowly through several versions until it attained its present form in 1979. It would be inappropriate to list the names of all the friends and advisors with whom I discussed my various drafts but I should like to mention the name of Mr. Gary Cornell who, besides discussing with me numerous details of the manuscript, revised it stylistically. There is much interest among mathematicians to know more about Gauss's life, and the generous help I received has certainly more to do with this than with any individual, positive or negative, aspect of my manuscript. Any mistakes, errors of judgement, or other inadequacies are, of course, the author's responsibility. The most incisive and, in a way, easiest decisions I had to make were those of personal taste in the choice and treatment of topics. Much had to be omitted or could only be discussed in a cursory way.

Do you have a real relationship with God, or do you just have a religion? Do you know God, or do you just know about God? In *How Big Is Your God?* Paul Coutinho, SJ, challenges us to grow stronger and deeper in our faith and in our relationship with God—a God whose love knows no bounds. To help us on our way, Coutinho introduces us to people in various world religions—from Hindu friends to Buddhist teachers to St. Ignatius of Loyola—who have shaped his spiritual life and made possible his deep, personal relationship with God.

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