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KEY=PAPER - CHAIM DOYLE

Applications of Dynamical Systems in Biology and Medicine

Springer This volume highlights problems from a range of biological and medical applications that can be interpreted as questions about system behavior or control. Topics include drug resistance in cancer and malaria, biological fluid dynamics, auto-regulation in the kidney, anti-coagulation therapy, evolutionary diversification and photo-transduction. Mathematical techniques used to describe and investigate these biological and medical problems include ordinary, partial and stochastic differentiation equations, hybrid discrete-continuous approaches, as well as 2 and 3D numerical simulation.

Dictionary Catalog of the National Agricultural Library, 1862-1965

An Investment Perspective on Global Value Chains

World Bank Publications This report investigates the role of foreign direct investment (FDI) in helping developing countries participate in global value chains (GVCs). It combines the perspectives and strategies from three types of players: multinational corporations, domestic firms and governments. It aims to provide practical guidance for developing countries to develop strategies that use FDI to strengthen GVC participation and upgrading. The report has six main chapters: 1. FDI and GVCs. Assesses the trade-investment nexus and analyzes the effect of FDI in countries' GVC participation and upgrading at the country level. 2. MNCs shape GVC development. Highlights MNCs' contribution to global economy and how their business strategies shape the evolution of GVCs. The chapter also compares MNCs' business strategies in terms of outsourcing and offshoring, risk mitigation and increasing market power across GVC archetypes. 3. Domestic firm perspectives on GVC participation. Looks at the various paths domestic firms can take to internationalize their production and trade. Investigates domestic firm characteristics that predict higher GVC participation, and the effect of GVC participation on firm performance. 4. Investment policy and promotion: what is in a government's toolbox? Summarizes the various policy instruments governments have at their disposal to help attract MNCs to their country and facilitate GVC participation of domestic firms. 5. Integrating countries into GVCs. Draws on a range of case studies to illustrate how governments can develop coherent strategies and policy packages to integrate their countries into GVCs. 6. FDI and GVCs in the wake of COVID-19. Reflects the impact of COVID-19 on FDI and GVCs, the response from multinationals and suppliers, and the implications for GVC reconfiguration. In addition, there are seven case studies that offer more nuanced analysis on the GVC participation in selected countries and sectors: • Five qualitative case studies: Five countries have been selected that managed to use FDI to stimulate GVC participation using a range of approaches. By design, these five countries also cover five different GVC archetypes. These countries are: (1) Kenya (horticulture); (2) Dominican Republic (textiles); (3) Mauritius (tourism); (4) Malaysia (electronics); (5) China (software). • Two quantitative case studies: Rwanda, West-Bengal (India). These use a combination of firm- and transaction level datasets to study firm-level dynamics that explain the role of multinational and domestic firms across GVCs.

Instructions to Surveyors

Cell Volume Regulation

S Karger Ag This volume presents a unique compilation of reviews on cell volume regulation in health and disease, with contributions from leading experts in the field. The topics covered include mechanisms and signaling of cell volume regulation and the effect of cell volume on cell function, with special emphasis on ion channels and transporters, kinases and gene expression. Several chapters elaborate on how cell volume regulatory mechanisms participate in the regulation of epithelial transport, urinary concentration, metabolism, migration, cell proliferation and apoptosis. Last but not least, this publication is an excellent guide to the role of cell volume in the pathophysiology of hypercatabolism, diabetes mellitus, brain edema, hemoglobinopathies, tumor growth and metastasis, to name just a few. Providing deeper insights into an exciting area of research which is also of clinical relevance, this publication is a valuable addition to the library of those interested in cell volume regulation.

Tendon Healing

Mechanical Loading, Microdamage and Gene Expression

Linköping University Electronic Press Mechanical loading and the inflammatory response during tendon healing might be important for the healing process. Mechanical loading can improve the healing tendon but the mechanism is not fully understood. The aim of this thesis was to further clarify the effect of mechanical loading on tendon healing and how mechanical loading affects the inflammatory response during the healing process. We used a rat Achilles tendon model to study healing. The rats were exposed to different degrees of loading by unloading methods such as paralysis of the calf muscles with Botox, tail suspension, and an orthosis (a boot). Full loading was achieved by free cage activity or treadmill walking. Microdamage in tendons, unloaded with Botox, was also investigated by needling. The healing tendons were evaluated in a materials testing machine (to analyze the mechanical properties), by gene expression analysis (microarray and PCR), or histology. Our results show that moderate loading (unloading with Botox) improves the mechanical properties of healing tendons compared to minimal loading (unloading with Botox in combination with tail suspension or a boot), especially the material properties. In accordance to these findings, expression of extracellular matrix genes were also increased by moderate compared to minimal loading. Full loading improved all mechanical properties and the expression of extracellular matrix genes was further increased compared to moderate loading. However, structural properties, such as the strength and the size of the healing tendon, were more affected by full loading. Full loading also affected the expression of inflammation-related genes during the early healing phase, 3 and 5 days after tendon injury, and increased the number of immune cells in the healing tendon tissue. Also microdamage of the healing tendon (detected by blood leakage) was increased by full loading compared to moderate loading during the early healing phase. Induced microdamage by repeated needling in the healing tendon tissue increased the structural properties of the healing tendon. The gene expression after needling was similar to the gene expression after full loading. The improvement of mechanical properties by loading in healing tendons was decreased by an anti-inflammatory drug called parecoxib, which decreases the production of prostaglandins by inhibiting COX-2 activity. The effect of parecoxib was reduced when loading was reduced but we could not confirm that the effect of parecoxib was related to the degree of loading. However, parecoxib abolished the stimulatory effect of microdamage. In conclusion, these studies show that moderate loading improves the quality of the healing tendon whereas full loading also increases the quantity of the healing tendon tissue. Full loading creates microdamage and increases inflammation during the early healing phase. The strong effect of full loading on the structural properties might be due to microdamage. Indeed, the anti-inflammatory drug parecoxib seems to impair mechanical stimulation of healing tendons by reducing the response to microdamage.

Baroclinic Tides

Theoretical Modeling and Observational Evidence

Cambridge University Press This book was first published in 2005. When an oceanic tidal wave that is primarily active on the water surface passes an ocean shelf or a region with a seamount, it is split into a less energetic surface wave and other internal modes with different wavelengths and propagation speeds. This cascading process, from the barotropic tides to the baroclinic components, leads to the transformation of tidal energy into turbulence and heat, an important process for the dynamics of the lower ocean. Baroclinic Tides demonstrates the analytical and numerical methods used to study the generation and evolution of baroclinic tides and, by comparison with experiments and observational data, shows how to distinguish and interpret internal waves. Strongly non-linear solitary internal waves, which are generated by internal tidal waves at the final stage of their evolution, are investigated in detail. This book is intended for researchers and graduate students of physical oceanography, geophysical fluid dynamics and hydroacoustics.

Unsportsmanlike Conduct

Exploiting College Athletes

University of Michigan Press Walter Byers, who served as NCAA executive director from 1951 to 1987, was charged with the dual mission of keeping intercollegiate sports clean while generating millions of dollars each year as income for the colleges. Here Byers exposes, as only he can, the history and present-day state of college athletics: monetary gifts, questionable academic standards, advertising endorsements, legal battles, and the political manipulation of college presidents. Byers believes that modern-day college sports are no longer a student activity; they are a high-dollar commercial enterprise, and college athletes should have the same access to the free market as their coaches and colleges. He favors no one as he cites individual cases of corruption in NCAA history. From Byers' first enforcement case, against the University of Kentucky in 1952, to the NCAA's 1987 "death penalty" levied against Southern Methodist University of Dallas, he shows the change in the athletic environment from simple rules and personally responsible officials to convoluted, cyclopedic regulations with high-priced legal firms defending college violators against a limited NCAA enforcement system. This book is a must for anyone involved in college sports--athletes, coaches, fans, college faculty, and administrators. "There has been no other executive in the history of professional, college, or amateur sports who has had such an impact in his area." --Keith Jackson, ABC Sports "Walter Byers has done more to shape intercollegiate athletics than any single person in history. He brought a combination of leadership,

insight, and integrity to intercollegiate athletics that we will never again see equaled." --Bob Knight, Head Basketball Coach, Indiana University As NCAA executive director, Byers started the an enforcement program, pioneered a national academic rule for athletes, and signed more than fifty television contracts with ABC, CBS, NBC, ESPN, and Turner Broadcasting. He oversaw the growth of the NCAA basketball tournament to one that, in 1988, grossed \$68.2 million. As the one person who has been inside college athletics for forty years, Walter Byers is uniquely qualified to tell the story of the NCAA and today's exploitation of college athletes.

Choice Over Time

[Russell Sage Foundation](#) Many of our most urgent national problems suggest a widespread lack of concern for the future. Alarming economic conditions, such as low national savings rates, declining corporate investment in long-term capital projects, and ballooning private and public debt are matched by such social ills as diminished educational achievement, environmental degradation, and high rates of infant mortality, crime, and teenage pregnancy. At the heart of all these troubles lies an important behavioral phenomenon: in the role of consumer, manager, voter, student, or parent, many Americans choose inferior but immediate rewards over greater long-term benefits. *Choice Over Time* offers a rich sampling of original research on intertemporal choice—how and why people decide between immediate and delayed consequences—from a broad range of theoretical and methodological perspectives in philosophy, political science, psychology, and economics. George Loewenstein, Jon Elster, and their distinguished colleagues review existing theories and forge new approaches to understanding significant questions: Why do people seem to "discount" future benefits? Do individuals use the same decision-making strategy in all aspects of their lives? What part is played by situational factors such as the certainty of delayed consequences? How are decisions affected by personal factors such as willpower and taste? In addressing these issues, the contributors to *Choice Over Time* address many social, economic, psychological, and personal time problems. Their work demonstrates the predictive power of short-term preferences in behavior as varied as addiction and phobia, the effect of prices on consumption, and the dramatic rise in debt and decline in savings. *Choice Over Time* provides an essential source for the most recent research and theory on intertemporal choice, offering new models for time preference patterns—and their aberrations—and presenting a diversity of potential solutions to the problem of "temporal myopia."

Moody's Manual of Investments: American and Foreign

Transportation

Growing You

Keepsake Pregnancy Journal and Memory Book for Mom and Baby

[Blue Star Press](#) Your pregnancy story is a special one. Document your most precious moments from this season of life in this elegant keepsake journal and memory book. *Growing You* is a place to celebrate and chronicle your pregnancy journey, reflecting on the growth, anticipation, and memories that you want to hold onto as a mother. This heirloom-quality book, created by the author of the popular baby book *As You Grow*, is designed with a timeless look and archival paper so that you can one day pass it along to your child. *Growing You* includes: • Space to journal your feelings and experiences about pregnancy and your birth story • A section to document your prenatal appointments and growth • Writing prompts to record precious milestones such as baby showers and prepping your nursery • Pages to document your baby's birth day • Pocket folder for sonogram photos, letters from loved ones, and other mementos • And more! Special Features: • Chic, gender-neutral design • Elegant linen cover • Acid-free and archival paper • Generous trim size offers ample space for photos • Lay-flat design created by a beautiful gold spiral binding allows you to easily write in the book

Virginia Medical Semi-monthly

Modeling, Design, Construction, and Operation of Power Generators with Solid Oxide Fuel Cells

From Single Cell to Complete Power System

[Springer](#) The book summarizes the current state of the solid oxide fuel cell (SOFC) technology in power generation applications. It describes the single cells, SOFC stacks, micro-combined heat and power systems, large-scale stationary power generators and polygeneration units. The principles of modeling, simulation and controls of power systems with solid oxide fuel cells are presented and discussed. Authors provide theoretical background of the technology followed by the essential insights into the integrated power systems. Selected aspects of the design, construction and operation of power units in range from single kilowatts to hundreds of kilowatts are presented. Finally, the book reports the selected studies on prototype systems which have been constructed in Europe. The book discusses the theoretical and practical aspects of operation of power generators with solid oxide fuel cells including fabrication of cells, design of stacks, system modeling, simulation of stationary and non-stationary operation of systems, fuel preparation and controls.

HCI in Mobility, Transport, and Automotive Systems. Automated Driving and In-Vehicle Experience Design

Second International Conference, MobiTAS 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Copenhagen, Denmark, July 19–24, 2020, Proceedings, Part I

[Springer Nature](#) This two-volume set LNCS 12212 and 12213 constitutes the refereed proceedings of the Second International Conference on HCI in Mobility, Transport, and Automotive Systems, *MobiTAS 2020*, held as part of the 22nd International Conference on Human-Computer Interaction, *HCII 2020*, in Copenhagen, Denmark, in July, 2020.* A total of 1439 full papers and 238 posters have been carefully reviewed and accepted for publication in *HCII 2020*. The papers cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. *MobiTAS 2020* includes a total of 59 papers and they are organized in the following topical sections: Part I, *Automated Driving and In-Vehicle Experience Design: UX topics in automated driving, and designing in-vehicle experiences*. Part II, *Driving Behavior, Urban and Smart Mobility: studies on driving behavior, and urban and smart mobility*. *The conference was held virtually due to the COVID-19 pandemic.

A Broken Social Elevator? How to Promote Social Mobility

[OECD Publishing](#) This report provides new evidence on social mobility in the context of increased inequalities of income and opportunities in OECD and selected emerging economies. It covers the aspects of both, social mobility between parents and children and of personal income mobility over the life course, ...

Born in 1953

"At the beginning of the 1960s, Swedish researchers started a sociological study of all children born in Stockholm in 1953, *Project Metropolitan*. This book describes the project's at times dramatic history, where issues of personal integrity and the role of social sciences were heavily debated. These discussions were fueled by the rapid and far-reaching digitalization in society at large and also within social sciences. As such, *Project Metropolitan* came to symbolize the benefits and potential risks related to an expanding body of research based on large groups of individuals and multiple register data sources. At the outset, the project's founders sought to answer the following question: "Why do some get on better in life than others?" One of the main aims of the project was to study the long-term impact of conditions in childhood. The book therefore also includes an updated presentation of the main findings, as they have been conveyed in over 160 publications to date. These publications cover a wide array of topics and phenomena such as social mobility and education, substance abuse and crime, health and ill-health, peer influences and family relations, and adult lives of adopted children. Today *Project Metropolitan* is known as the "Stockholm Birth Cohort Multigenerational Study (SBC Multigen)" and is still in full vigor. From its original group of 15,000 children, the study has become multi-generational by adding data about their parents, siblings, children, nieces and nephews. As they approach their late 60s, it will also be possible to follow these "children" into retirement and old-age. In the concluding chapter the author discusses some of the challenges contemporary social research is facing. What are the current threats to academic freedom and what opportunities do the unique data registers in countries like Sweden provide?"

Modeling the Distribution and Intergenerational Transmission of Wealth

[University of Chicago Press](#) This pioneering volume uses modern statistical and simulation techniques to explain the process of wealth transmission and the persistent problem of the unequal distribution of wealth. These papers reflect a shift from the traditional cross-sectional measurement to an intertemporal focus by attempting to model mathematically the actual process by which wealth is acquired and transmitted. There are many questions to be answered: What are the factors influencing saving? What is the role of mating? What decides ownership between spouses? How are rare assets distributed by divorce? What are the patterns of behavior in making gifts and bequests? And what is the effect of the relative ages of the persons involved?

Rebooting American Politics

The Internet Revolution

[Rowman & Littlefield](#) "Going beyond theory and guess-based forecasts, this book systematically explores and measures the implications of the growing use of the Internet in the American political landscape. The authors show that the Internet changes the way voters process information and explain how the use of the Internet is causing a marked shift not just in who votes but in who wins. Breaking away from conjecture, the book demonstrates how the new digital world is changing the very heart of American politics."--Publisher description.

Quantum Signatures of Chaos

[Springer](#) This classic text provides an excellent introduction to a new and rapidly developing field of research. Now well established as a textbook in this rapidly developing field of research, the new edition is much enlarged and covers a host of new results.

Human Evolutionary Genetics

[Garland Science](#) Human Evolutionary Genetics is a groundbreaking text which for the first time brings together molecular genetics and genomics to the study of the origins and movements of human populations. Starting with an overview of molecular genomics for the non-specialist (which can be a useful review for those with a more genetic background), the book shows h

ACCA Paper F3 - Financial Accounting (INT) Study Text

[BPP Learning Media](#) The examiner has reviewed the Study Text, which concentrates on the key areas of the syllabus and takes account of the examiner's guidance on how topics will be examined. It includes a step-by-step approach to topics that students may find difficult, such as control account reconciliations and suspense accounts. There are lots of examples and questions in each chapter to help you practise the techniques.

Seldin and Giebisch's The Kidney

Physiology & Pathophysiology 1-2

[Elsevier](#) A classic nephrology reference for over 20 years, Seldin & Giebisch's *The Kidney*, is the acknowledged authority on renal physiology and pathophysiology. The fourth edition follows the changed focus of nephrology research to the study of how individual molecules work together to affect cellular and organ function, emphasizing the mechanisms of disease. With over 40 new chapters and over 1000 illustrations, this edition offers the most in-depth discussion anywhere of the physiologic and pathophysiologic processes of renal disease. Comprehensive, authoritative coverage progresses from molecular biology and cell physiology to clinical issues regarding renal function and dysfunction. If you research the development of normal renal function or the mechanisms underlying renal disease, Seldin & Giebisch's *The Kidney* is your number one source for information. * Offers the most comprehensive coverage of fluid and electrolyte regulation and dysregulation in 51 completely revised chapters unlike Brenner & Rector's *The Kidney* which devotes only 7 chapters to this topic. * Includes 3 sections, 31 chapters, devoted to regulation and disorders of acid-base homeostasis, and epithelial and non-epithelial transport regulation. Brenner & Rector's only devotes 5 chapters to these topics. * Previous three editions edited by Donald Seldin and Gerhard Giebisch, world renowned names in nephrology. The title for the fourth edition has been changed to reflect their considerable work on previous editions and they have also written the forward for this edition. * Over 20 million adults over age 20 have chronic kidney disease with the number of people diagnosed doubling each decade making it America's ninth leading cause of death.

A Genealogy of the Quick Family in America (1625-1942) 317 Years

Family came from Holland to New Amsterdam about 1625-1640.

Endocrine Secrets

[Elsevier Health Sciences](#) The thoroughly updated *Endocrine Secrets*, 6th Edition continues the tradition of the highly popular *Secrets Series*®, offering fast answers to the most essential clinical endocrinology questions. A user-friendly Q&A format, replete with valuable pearls, tips, and memory aids, helps you to learn and study efficiently. It all adds up to a perfect concise board review or handy clinical endocrinology resource. Expedite your reference and review with a question-and-answer format that's conversational and easy to read. Zero in on key information with bulleted lists, mnemonics, practical tips from prominent endocrinologists, and "Key Points" boxes that provide a concise overview of important board-relevant content. Quickly review essential material with a chapter containing the "Top 100 Secrets" in endocrinology. Take your *Secrets* anywhere thanks to a convenient, pocket-sized design! Remain at the forefront of medical endocrinology with updates on new techniques and technologies, as well as changing treatment options and drug information. Equip yourself for effective practice with coverage of the most current developments in obesity management, weight loss drugs, and bariatric surgery; the newest guidelines for the pharmacological treatment of type 2 diabetes mellitus; and much more. Make use of practical tips on intensive insulin therapy, and apply evidence-based techniques to achieve appropriate glucose control in hospitalized patients and effectively manage thyroid cancer. Access the latest research concerning the benefits and risks of the wide range of osteoporosis therapies.

Crime is Not the Problem

Lethal Violence in America

[Oxford University Press on Demand](#) Explores the differences between crime and lethal violence and proposes targeted responses to a national homicide rate that far exceeds that of other industrialized nations

MUNGER BK

[Wentworth Press](#) This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Antitrust Law

An Analysis of Antitrust Principles and Their Application

The People's State

[Yale University Press](#) What was life really like for East Germans, effectively imprisoned behind the Iron Curtain? The headline stories of Cold War spies and surveillance by the secret police, of political repression and corruption, do not tell the whole story. After the unification of Germany in 1990 many East Germans remembered their lives as interesting, varied, and full of educational, career, and leisure opportunities: in many ways "perfectly ordinary lives." Using the rich resources of the newly-opened GDR archives, Mary Fulbrook investigates these conflicting narratives. She explores the transformation of East German society from the ruins of Hitler's Third Reich to a modernizing industrial state. She examines changing conceptions of normality within an authoritarian political system, and provides extraordinary insights into the ways in which individuals perceived their rights and actively sought to shape their own lives. Replacing the simplistic black-and-white concept of "totalitarianism" by the notion of a "participatory dictatorship," this book seeks to reinstate the East German people as actors in their own history.

Elicitation of Preferences

[Springer Science & Business Media](#) Economists and psychologists have, on the whole, exhibited sharply different perspectives on the elicitation of preferences. Economists, who have made preference the central primitive in their thinking about human behavior, have for the most part rejected elicitation and have instead sought to infer preferences from observations of choice behavior. Psychologists, who have tended to think of preference as a context-determined subjective construct, have embraced elicitation as their dominant approach to measurement. This volume, based on a symposium organized by Daniel McFadden at the University of California at Berkeley, provides a provocative and constructive engagement between economists and psychologists on the elicitation of preferences.

Madame Lune

[Open Books Publishing \(UK\)](#) To foil a killer Madame Lune must walk in his shoes, enter his evil mind, and eventually learn to kill... Who is the mysterious Madame Lune and why has watching Rue Lepic become a terrifying obsession for her? To the ordinary observer, Rue Lepic is a colourful street that meanders and climbs the northern part of Paris, from the Moulin Rouge in Pigalle's red light district to Montmartre, where stands the lofty basilica of Sacre Coeur. It is full of character and characters, with its open-air markets and traders, street cleaners and concierges. It plays host to waves of tourists teaming past cafés, restaurants and souvenir shops. There is, however, something else lurking beneath the layers of everyday life that lures the scrutiny of Madame Lune and fills her with fear. In their midst is another watcher—a monster who prowls the district. He is a killer—a serial killer, and he has identified his next victim.

Mohammad Mosaddeq and the 1953 Coup in Iran

[Syracuse University Press](#) Mohammad Mosaddeq is widely regarded as the leading champion of secular democracy and resistance to foreign domination in Iran's modern history. Mosaddeq became prime minister of Iran in May 1951 and promptly nationalized its British-controlled oil industry, initiating a bitter confrontation between Iraq and Britain that increasingly undermined Mossaddeq's position. He was finally overthrown in August 1953 in a coup d'etat that was organized and led by the United States Central Intelligence Agency. This coup initiated a twenty-five-year period of dictatorship in Iran, leaving many Iranians resentful of the U.S. legacies that still haunt relations between the two countries today. Contents include: "Mosaddeq's Government in Iranian History: Arbitrary Rule, Democracy, and the 1953 Coup" - Homa Katouzian; "Unseating Mosaddeq: The Configuration and Role of Domestic Forces" - Fakhreddin Azimi; "The 1953 Coup in Iran and the Legacy of the Tudeh" - Maziar Behrooz; "Great Britain and the Intervention in Iran, 1953" - Wm. Roger Louis; "The International Boycott of Iranian Oil and the Anti-Mossaddeq Coup of 1953" - Mary Ann Heiss; "The Road to Intervention: Factors Influencing U.S. Policy Toward Iran, 1945-1953" - Malcolm Byrne; "The 1953 Coup d'etat Against Mosaddeq" - Mark J. Gasiorowski

Language and Learning in the Digital Age

[Routledge](#) In *Language and Learning in the Digital Age*, linguist James Paul Gee and educator Elisabeth Hayes deal with the forces unleashed by today's digital media, forces that are transforming language and learning for good and ill. They argue that the role of oral language is almost always entirely misunderstood in debates about digital media. Like the earlier inventions of writing and print, digital media actually power up or enhance the powers of oral language. Gee and Hayes deal, as well, with current digital transformations of language and literacy in the context of a growing crisis in traditional schooling in developed countries. With the advent of new forms of digital media, children are increasingly drawn towards video games, social media, and alternative ways of learning. Gee and Hayes explore the way in which these alternative methods of learning can be a force for a paradigm change in schooling. This is an engaging, accessible read both for undergraduate and graduate students and for scholars in language, linguistics, education, media and communication studies.

African Athena

New Agendas

[OUP Oxford](#) The appearance of Martin Bernal's *Black Athena: The Afro-Asian Roots of Classical Civilization* in 1987 sparked intense debate and controversy in Africa, Europe, and North America. His detailed genealogy of the 'fabrication of Greece' and his claims for the influence of ancient African and Near Eastern cultures on the making of classical Greece, questioned many intellectuals' assumptions about the nature of ancient history. The transportation of enslaved African persons into Europe, the Americas, and the Caribbean, brought African and diasporic African people into contact in significant numbers with the Greek and Latin classics for the first time in modern history. In *African Athena*, the contributors explore the impact of the modern African diaspora from the sixteenth century onwards on Western notions of history and culture, examining the role Bernal's claim has played in European and American understandings of history, and in classical, European, American and Caribbean literary production. *African Athena* examines the history of intellectuals and literary writers who contested the white, dominant Euro-American constructions of the classical past and its influence on the present. Martin Bernal has written an Afterword to this collection.

Mucus Hypersecretion in Respiratory Disease

[John Wiley & Sons](#) A number of chronic respiratory diseases including chronic bronchitis, asthma, cystic fibrosis and bronchiectasis are characterized by mucus hypersecretion. Following damage to the airway epithelium, a repair process of dedifferentiation, regenerative proliferation and redifferentiation takes place that is invariably accompanied by mucus hypersecretion as a key element in the host defence mechanism. In chronic respiratory diseases, however, excessive mucus production leads to a pathological state with increased risk of infection, hospitalization and morbidity. An understanding of the mechanisms that underlie and maintain this hypersecretory phenotype is therefore crucial for the development of rational approaches to therapy. Despite a high and increasing prevalence and cost to healthcare services and society, mucus hypersecretion in chronic respiratory disease has received little attention until recently, probably because of the difficulties inherent in studying this pathology. Only in the last few years have some of the genes involved in mucus secretion been characterized. The recent availability of genomic sequence information and specific antibodies has led to an explosion of interest in this area making this publication particularly timely. This book draws together contributions from an international and interdisciplinary group of experts, whose work is focused on both basic and clinical aspects of the problem. Coverage includes epidemiology, airways infection and mucus hypersecretion, the genetics and regulation of mucus production, models of mucus hypersecretion, and the implications of new knowledge for the development of novel therapies.

The Knowledge Capital of Nations

Education and the Economics of Growth

[MIT Press](#) A rigorous, pathbreaking analysis demonstrating that a country's prosperity is directly related in the long run to the skills of its population. In this book Eric Hanushek and Ludger Woessmann make a simple, central claim, developed with rigorous theoretical and empirical support: knowledge is the key to a country's development. Of course, every country acknowledges the importance of developing human capital, but Hanushek and Woessmann argue that message has become distorted, with politicians and researchers concentrating not on valued skills but on proxies for them. The common focus is on school attainment, although time in school provides a very misleading picture of how skills enter into development. Hanushek and Woessmann contend that the cognitive skills of the population—which they term the “knowledge capital” of a nation—are essential to long-run prosperity. Hanushek and Woessmann subject their hypotheses about the relationship between cognitive skills (as consistently measured by international student assessments) and economic growth to a series of tests, including alternate specifications, different subsets of countries, and econometric analysis of causal interpretations. They find that their main results are remarkably robust, and equally applicable to developing and developed countries. They demonstrate, for example, that the “Latin American growth puzzle” and the “East Asian miracle” can be explained by these regions' knowledge capital. Turning to the policy implications of their argument, they call for an education system that develops effective accountability, promotes choice and competition, and provides direct rewards for good performance.

Uremic Toxins

[Springer Science & Business Media](#) The present book contains the Proceedings of a two day Symposium on Uremic Toxins organized at the University of Ghent in Belgium. A series of guest lectures, free communications and posters have been presented. An international audience of 163 scientists from 16 nationalities listened to and discussed extensively a spectrum of topics brought forward by colleagues and researchers who worked for many years in the field of Uremic Toxins. There is a striking contrast between all the new dialysis strategies available in the work to "clean" the uremic patients and the almost non-progression of our knowledge on uremic toxins in the past decade. In this sense the symposium was felt by all participants as a new start for the research in the biochemical field of the definition of uremia. If the present volume would stimulate new work in this field in order to define uremia, or identify the uremic toxins, the purpose of the organizers would be maximally fulfilled.

We're Pregnant! the First Time Dad's Pregnancy Handbook

[Rockridge Press](#) Being a great first-time dad doesn't mean being perfect. It means having the tools you need to be a supportive partner during and after pregnancy—which is exactly what *We're Pregnant! The First-Time Dad's Pregnancy Handbook* is all about. From heartburn and headaches to birth and breastfeeding, *We're Pregnant!* features practical, action-oriented pregnancy advice from the author of the *Dad or Alive* blog, Adrian Kulp, a (once clueless) dad who's been there and done that—three times, in fact!

Schooling as a Risky Investment

A Survey of Theory and Evidence

Now Pub *Schooling as a Risky Investment* focuses exclusively on the risk that is associated with investing in education. The monograph surveys the modest literature, identifies and explains the weakest aspects of knowledge in the field, and reflects on policy issues.

The Manganese Nodule Belt of the Pacific Ocean

Geological Environment, Nodule Formation, and Mining Aspects

Health Care Facilities Code Handbook