Ib Biology HI 2012 Paper 2

Understanding the underlying mechanisms of how axons and dendrites develop is a fundamental problem in neuroscience and a main goal of research on nervous system development and regeneration. Previous studies have provided a tremendous amount of information on signaling and cytoskeletal proteins regulating axonal and dendritic growth and guidance. However, relatively little is known about the relative contribution and role of cytoskeletal dynamics, transport of organelles and cytoskeletal components, and force generation to axonal elongation. Advancing the knowledge of these biomechanical processes is critical to better understand the development of the nervous system, the pathological progression of neurodegenerative diseases, acute traumatic injury, and for designing novel approaches to promote neuronal regeneration following disease, stroke, or trauma. Mechanical properties and forces shape the development of the nervous system from the cellular up to the organ level. Recent advances in quantitative live cell imaging, biophysical, and nanotechnological methods such as traction force microscopy, optical tweezers, and atomic force microscopy have enabled researchers to gain better insights into how cytoskeletal dynamics and motor-driven transport, membranedynamics, adhesion, and substrate rigidity influence axonal elongation. Given the complexity and mechanical nature of this problem, mathematical modeling contributes significantly to our understanding of neuronal mechanics. Nonetheless, there has been limited direct

interaction and discussions between experimentalists and theoreticians in this research area. The purpose of this Frontiers Research Topic is to highlight exciting, and important work that is currently developing in the fields of neuronal cell biology, neuronal mechanics, intracellular transport, and mathematical modeling in the form of primary research articles, reviews, perspectives, and commentaries.

Poverty Reduction Strategy Papers are prepared by member countries in broad consultation with stakeholders and development partners, including the staffs of the World Bank and the IMF. Updated with annual progress reports, they describe the countries macroeconomic, structural, and social policies in support of growth and poverty reduction, as well as associated external financing needs and major sources of financing. This country document for Bangladesh is being available on the IMF website by agreement of the member country as a service to users of the IMF website.

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????:Environmental magnetism

Development of powerful new high- throughput technologies for probing the transcriptome, proteome and metabolome is driving the rapid acquisition of information on the function of molecular systems. The importance of these achievements cannot be understated – they have transformed the nature of both biology and medicine. Despite this dramatic progress, one of the greatest challenges that continues to confront modern biology is to understand how behavior at the level of genome, proteome and metabolome determines physiological function at the level of cell, tissue and organ in both health and disease. Because of the inherent complexity of biological systems, the development, analysis, and validation of integrative computational models based directly on experimental data is necessary to achieve this understanding. This approach, known as systems biology, integrates computational and experimental approaches through iterative development of mathematical models and experimental validation and testing. The combination of these approaches allows for a mechanistic understanding of the function of complex biological systems in health and their dysfunction in disease. The National Heart, Lung, and Blood Institute (NHLBI) has recognized the importance of the systems biology approach for understanding normal physiology and perturbations associated with heart, lung, blood, and sleep diseases and disorders. In 2006, NHLBI announced the Exploratory Program in Systems Biology, followed in 2010 by the NHLBI Systems Biology Collaborations. The goal of these programs is to support collaborative teams of investigators in using experimental and computational strategies to integrate the component parts of biological networks and pathways into computational models that are based firmly on and validated using experimental data. These validated models are then applied to gain insights into the mechanisms of altered system function in disease, to generate novel hypotheses regarding these mechanisms that can be tested experimentally, and to then use the results of experiments to refine the models. The purpose of this Research Topic is to present the range of innovative, new approaches being developed by

investigators working in areas of systems biology that couple experimental and modeling studies to understand the cause and possible treatment of heart, lung, blood and sleep diseases and disorders. This Research Topic will be of great interest to the cardiovascular research community as well as to the general community of systems biologists.

An ideal reference guide to introducing the IB Diploma in your school.

It has been more than ten years since the first edition of this book was published. During this time, our understanding of the interactions between plants and the animals that consume them, as mediated by secondary compounds (allelochemicals) of plants, has grown dramatically. In the Herbivores: Their Interactions with Secondary Plant Metabolites, Second Edition, only those areas of research where significant progress has been made since 1979 are included, and most of the contributing authors are new. This edition has been split into two volumes due to the vast amount of new material that has been generated on this subject. Both volumes will be of interest to evolutionary biologists, agriculturists, chemists, biochemists, physiologists, and ecologists. Volume 1, provides an exhaustive update and review of the chemical and biochemical bases for the role and function of allelochemicals in their defense against herbivores. Volume 2, scheduled for publication in April 1992, provides a current update of the research on the ecological roles and evolutionary nature of secondary plant metabolites in their interactions among plants and as protective agents against environmental stresses

such as consumption by herbivores.

Revised edition of: Biology of aging: observations and principles. 2006.

Featuring a look and style that's more like a magazine than a textbook, Plotnik's INTRODUCTION TO PSYCHOLOGY, Tenth Edition will draw you in and show you how exciting the study of psychology can be. This modular, visual approach to the fundamentals of psychology--the pioneer of the visual or magazine style approach--makes even the toughest concepts engaging and entertaining. Each and every page is individually planned, written, and formatted to effectively incorporate the use of Visual Cues, which help you to better remember information. Extensively updated, the text also utilizes chunking, a method of breaking concepts down into small, easily digested sections that help you learn at your own pace. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Global attention in scientific, industrial, and governmental communities to traces of toxic chemicals in foodstuffs and in both abiotic and biotic environ ments has justified the present triumvirate of specialized publications in this field: comprehensive reviews, rapidly published progress reports, and archival documentations. These three publications are integrated and scheduled to pro vide in international communication the coherency essential for nonduplicative and current progress in a field as dynamic

and complex as environmental con tamination and toxicology. Until now there has been no journal or other publica tion series reserved exclusively for the diversified literature on "toxic" chemicals in our foods, our feeds, our geographical surroundings, our domestic animals, our wildlife, and ourselves. Around the world immense efforts and many talents have been mobilized to technical and other evaluations of natures, locales, magnitudes, fates, and toxicology of the persisting residues of these chemicals loosed upon the world. Among the sequelae of this broad new emphasis has been an inescapable need for an articulated set of authoritative publications where one could expect to find the latest important world literature produced by this emerging area of science together with documentation of pertinent ancil lary legislation.

"At the heart of much work in international relations is the attempt to understand why citizens and leaders act as they do-and over the last decade, a growing body of research has shown that the "rational choice theory" that has long guided this understanding is insufficient. People do not always behave rationally; instead, most of us have psychological biases that cause us to behave "irrationally." As political science has integrated this new behavioral research, the literature has tended to view such biases as source of errors or mistakes. Yet for other fields-most notably evolutionary biology-the same psychological biases are recognized as adaptive heuristics that evolved to improve our decision-making, not to undermine it. In this book, Johnson uses his cross-disciplinary training to push this evolutionary

understanding of biases into the study of politics. Specifically, he asks: when and how can psychological biases cause or promote success in the realm of international relations? Johnson focuses on three of the most prominent psychological biases-overconfidence, the fundamental attribution error (the tendency to see others' actions as motivated by personality rather than the influence of external/situational factors) and ingroup/out-group bias (favoring members of group one identifies with over those one does not). He outlines the scientific research on each bias, explores its adaptive advantages, and then gives detailed historical examples where the bias seems to have caused strategic advantages, focusing on the American Revolution (overconfidence), the UK and the appeasement of Hitler (fundamental attribution error) and the Pacific campaign in WW2 (group bias). He then circles back to acknowledge the "dark side" of biases when taken to the extreme, considering how confidence becomes hubris, the attribution error becomes paranoia and group bias becomes racism. Ultimately, Johnson argues that this evolutionary perspective is the crucial next step in bringing psychological insights to bear on the foundational questions in the field"--

IB World Schools Yearbook 2012John Catt Educational LtdSystems Biology Approaches to Understanding the Cause and Treatment of Heart, Lung, Blood, and Sleep DisordersFrontiers E-books

As space medicine evolved from the late 1950s onward, the need arose for a ready reference for students and practitioners on the basic concepts of this new specialty. Through three editions edited by leaders in the development of space medicine, this classic text has met the need. This fourth edition of Space Physiology and Medicine provides succinct, evidence-based summaries of the current knowledge base in space medicine and serves as a source of information on the space environment, responses, and practices. Additionally, there is extensive online material available for each chapter, featuring overviews and self-study questions. This book presents the latest advances in and current research perspectives on the field of urban/industrial solid waste recycling for bio-energy and bio-fuel recovery. It chiefly focuses on five main thematic areas, namely bioreactor landfills coupled with energy and nutrient recovery; microbial insights into anaerobic digestion; greenhouse emission assessment; pyrolysis techniques for special waste treatment; and industrial waste stabilization options. In addition, it compiles the results of case studies and solid waste management perspectives from different countries.

This book has been written with the aim of compiling from modern environments information that can be useful in the reconstruction of ancient environments. It is intended for all those interested in recognizing depositional environments. The study of sediments includes investigations of various aspects of sediments. This needs a study by standard methods. Methods of study have not been included, as many textbooks exist on the subject. However, the importance of various results obtained from such investigations has been discussed, as far as these results can be helpful in

environ mental reconstruction. Special attention is given to information that has accumulated during the last decades on the mode of genesis of various sedimentary features and their distribution in present-day environments. As far as possible, existing terminology has been used. How ever, in several cases new simple groupings and classifications have been proposed. In making classification, generally, the form and shape of the features have been considered, so that they can be applied easily to ancient sediments. At the same time, the genesis of such features has been noted, and genetic names and their characteristics have been given for detailed work. The subject is so vast that several primary sedimentary features that have no direct bearing on environmental interpretation have been omitted. The subject is vast, and numerous publications are available. More than four decades have passed since a human first set foot on the Moon. Great strides have been made in our understanding of what is required to support an enduring human presence in space, as evidenced by progressively more advanced orbiting human outposts, culminating in the current International Space Station (ISS). However, of the more than 500 humans who have so far ventured into space, most have gone only as far as near-Earth orbit, and none have traveled beyond the orbit of the Moon. Achieving humans' further progress into the solar system had proved far more difficult than imagined in the heady days of the Apollo missions, but the potential rewards remain substantial. During its more than 50-year history, NASA's success in human space exploration has depended on the agency's ability to

effectively address a wide range of biomedical, engineering, physical science, and related obstacles--an achievement made possible by NASA's strong and productive commitments to life and physical sciences research for human space exploration, and by its use of human space exploration infrastructures for scientific discovery. The Committee for the Decadal Survey of Biological and Physical Sciences acknowledges the many achievements of NASA, which are all the more remarkable given budgetary challenges and changing directions within the agency. In the past decade, however, a consequence of those challenges has been a life and physical sciences research program that was dramatically reduced in both scale and scope, with the result that the agency is poorly positioned to take full advantage of the scientific opportunities offered by the now fully equipped and staffed ISS laboratory, or to effectively pursue the scientific research needed to support the development of advanced human exploration capabilities. Although its review has left it deeply concerned about the current state of NASA's life and physical sciences research, the Committee for the Decadal Survey on Biological and Physical Sciences in Space is nevertheless convinced that a focused science and engineering program can achieve successes that will bring the space community, the U.S. public, and policymakers to an understanding that we are ready for the next significant phase of human space exploration. The goal of this report is to lay out steps and develop a forward-looking portfolio of research that will provide the basis for recapturing the excitement and value of human

spaceflight--thereby enabling the U.S. space program to deliver on new exploration initiatives that serve the nation, excite the public, and place the United States again at the forefront of space exploration for the global good.

This book outlines the status guo of worldwide wildlife tourism and its impacts on planning, management, knowledge, awareness, behaviour and attitudes related to wildlife encounters. It sets out to fill the considerable gaps in our knowledge on wildlife tourism, applied ecology, and environmental education, providing comprehensive information on and an interdisciplinary approach to effective management in wildlife tourism. Examining the intricacies, challenges, and lessons learned in a meaningful and rewarding tourism niche, this interdisciplinary book comprehensively examines the major potentials and controversies in the wildlife tourism industry. Pursuing an insightful, provocative and handson approach, it primarily addresses two questions: 'Can we reconcile the needs of the wildlife tourism industry. biodiversity conservation, ecological learning and animal ethics issues?' and 'What is the Future of the Wildlife Tourism Industry?'. Though primaril y intended as a research text, it also offers a valuable resource for a broad readership, which includes university and training students, researchers, scholars, tourism practitioners and professionals, planners and managers, as well as the staff of government agencies.

The book discusses invasive-species problems in agriculture,

forests and aquatic ecosystems, highlighting the invasive mechanisms and management of the selected invasive species. Biological invasion has become a serious global ecological and economic problem that deserves particular attention from both government officials and scientists. This volume focuses on three key scientific areas: 1) population establishment and spreading mechanisms of the selected invasive species; 2) ecology adaptation, population growth, expansion and evolution of invasive species; and 3) impact of bio-invasion on the ecosystem structure and function at community and ecosystem levels. The presented research will result in techniques for better management of invasive species.

????:The machine that changed the world The Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, 6th Edition provides the most current and authoritative guidance on selecting, performing, and evaluating the results of new and established laboratory tests. This classic clinical chemistry reference offers encyclopedic coverage detailing everything you need to know, including: analytical criteria for the medical usefulness of laboratory tests, variables that affect tests and results, laboratory medicine, applications of statistical methods, and most importantly clinical utility and interpretation of laboratory tests. It is THE definitive reference in clinical chemistry and molecular diagnostics, now fully searchable and with guarterly content updates, podcasts, clinical cases, animations, and extended content online through Expert Consult. Analytical criteria focus on the medical usefulness of laboratory procedures. Reference ranges show new approaches for establishing these ranges — and provide the latest information on this topic. Lab management and costs gives students and chemists the practical information they need to assess costs, allowing them to do their job more efficiently and effectively.

Statistical methods coverage provides you with information critical to the practice of clinical chemistry. Internationally recognized chapter authors are considered among the best in their field. Two-color design highlights important features, illustrations, and content to help you find information easier and faster. NEW! Internationally recognized chapter authors are considered among the best in their field. NEW! Expert Consult features fully searchable text, quarterly content updates, clinical case studies, animations, podcasts, atlases, biochemical calculations, multiple-choice questions, links to Medline, an image collection, and audio interviews. You will now enjoy an online version making utility of this book even greater. UPDATED! Expanded Molecular Diagnostics section with 12 chapters that focus on emerging issues and techniques in the rapidly evolving and important field of molecular diagnostics and genetics ensures this text is on the cutting edge and of the most value. NEW! Comprehensive list of Reference Intervals for children and adults with graphic displays developed using contemporary instrumentation. NEW! Standard and international units of measure make this text appropriate for any user - anywhere in the world. NEW! 22 new chapters that focus on applications of mass spectrometry, hematology, transfusion medicine, microbiology, biobanking, biomarker utility in the pharmaceutical industry and more! NEW! Expert senior editors, Nader Rifai, Carl Wittwer and Rita Horvath, bring fresh perspectives and help ensure the most current information is presented. UPDATED! Thoroughly revised and peer-reviewed chapters provide you with the most current information possible.

From a global perspective aquaculture is an activity related to food production with large potential for growth. Considering a continuously growing population, the efficiency and sustainability of this activity will be crucial to meet the needs Page 14/21

of protein for human consumption in the near future. However, for continuous enhancement of the culture of both fish and shellfish there are still challenges to overcome, mostly related to the biology of the cultured species and their interaction with (increasingly changing) environmental factors. Examples of these challenges include early sexual maturation, feed meal replacement, immune response to infectious diseases and parasites, and temperature and salinity tolerance. Moreover, it is estimated that less than 10% of the total aquaculture production in the world is based on populations genetically improved by means of artificial selection. Thus, there is considerable room for implementing breeding schemes aimed at improving productive traits having significant economic impact. By far the most economically relevant trait is growth rate, which can be efficiently improved by conventional genetic selection (i.e. based on breeding values of selection candidates). However, there are other important traits that cannot be measured directly on selection candidates, such as resistance against infectious and parasitic agents and carcass quality traits (e.g. fillet yield and meat color). However, these traits can be more efficiently improved using molecular tools to assist breeding programs by means of marker-assisted selection, using a few markers explaining a high proportion of the trait variation, or genomic selection, using thousands of markers to estimate genomic breeding values. The development and implementation of new technologies applied to molecular biology and genomics, such as next-generation sequencing methods and high-throughput genotyping platforms, are allowing the rapid increase of availability of genomic resources in aquaculture species. These resources will provide powerful tools to the research community and will aid in the determination of the genetic factors involved in several biological aspects of aquaculture species. In this regard, it is

important to establish discussion in terms of which strategies will be more efficient to solve the primary challenges that are affecting aquaculture systems around the world. The main objective of this Research Topic is to provide a forum to communicate recent research and implementation strategies in the use of genomics in aquaculture species with emphasis on (1) a better understanding of fish and shellfish biological processes having considerable impact on aquaculture systems; and (2) the efficient incorporation of molecular information into breeding programs to accelerate genetic progress of economically relevant traits.

Nutraceuticals are a challenge for the future of prevention and therapy in healthcare. The possibility to prevent and/or support pharmacological therapy, which is nowadays mainly based on pharmaceuticals, can be a powerful tool to face pathological, chronic, long-term diseases in subjects who do not qualify for a pharmacological therapy. Nutraceuticals are obtained from vegetal or animal origin foods, and prospective research on these products will clarify their role, safety and efficacy by substantiating their role with clinical data. An effort to clarify their mechanism of action will open a door to the next generation of therapeutic agents that do not propose themselves as an alternative to drugs, but, instead, can be helpful to complement a pharmacological therapy, and to prevent the onset of chronical diseases. The market as well as the interest of people in naturally-derived remedies and less synthetic pharmaceuticals is growing, and the attention of the collective public imagination is nowadays more strongly focused on these food-derived products. This Special Issue is dedicated to the role of and perspectives on nutraceuticals in human health, examined from different angles ranging from analytical aspects to clinical trials, and from efficacy studies to beneficial effects on health conditions.

The contemporary African writer's classic novel depicting the Page 16/21

destruction of traditional tribal life by the white man THIS study is concerned with the search for a new unity of social knowledge and social inquiry. As such it is addressed to all those who see in the present compartmentalization and special ization of the social sciences the reason for the bewildering pro liferation of subject matters, the preoccupation with trivia and the failure to make the maximum use of our knowledge for human welfare. More specifically, I am addressing this book to those who are dealing with "interdisciplinary" problems such as the study of foreign areas, the analysis of sociocultural change, economic development of "backward" economies and the planning and teaching of "integrated" courses in the social sciences. The book suggests an answer to the question, How can our specialized knowledge about man and society be unified? As such the study reflects the conviction that all scientific knowledge, in order to make the greatest possible contribution to human welfare, must become comprehensive in character. In fact, such knowledge differs from popular and common-sense understanding precisely by the fact that it is systematically formulated and held together in terms of a few unifying conceptual frameworks. Indeed, all scientific understanding is, above all, an effort to simplify by unifying what has long appeared as unrelated and disparate. Those who believe that compartmentalization and specialization are the royal road to success in the social sciences may find this an irritating book.

Sirtuins comprise a family of NAD+-dependent enzymes that have been shown to impact longevity in a number of eukaryotic organisms. Sir2 (Silent Information Regulator 2) was the first sirtuin protein discovered. The discovery that Sir2 requires NAD+ for its activity suggested a link between Sir2 activity and the phenomenon of caloric restriction in prolonging longevity. This link was strengthened by the Page 17/21 observation that lifespan extension by caloric restriction requires Sir2 protein. Under conditions of caloric restriction, NAD+ levels are high, Sir2 is activated, and the rate of aging is decreased. These effects have been replicated in invertebrate organisms, where a close structural and functional homologue of Sir2 was found in C. elegans and Drosophila. The sirtuin-dependent effects on metabolism and ageing, observed in lower organisms, have ignited intensive investigation of their biological and therapeutic roles in mammals. There are seven known mammalian sirtuins. SIRTs 1-7, the most studied of which is SIRT1, a close structural and functional homologue of yeast Sir2. Enhancement of organismal longevity and other healthpromoting effects of mammalian SIRT1 have frequently been attributed to the regulation of metabolism. A recognized molecular link between metabolism and aging stimulated a firestorm of investigations, aiming to combat metabolic and age-dependent human diseases. It has become clear, however, that the sirtuin family of proteins regulates a diverse repertoire of cellular functions in mammals. Mounting evidence implicating SIRT1 in important clinical indications. such as diabetes, cancer, cardiovascular dysfunction and neurodegenerative disease, suggest that modality as attractive therapeutic target. Subsequently, drug discovery and development, targeting sirtuin activation, has been intensified in the recent years. Despite rapid progress and accumulation of new data, the biological roles of other mammalian sirtuins have been less studied and remain poorly understood. There are several important questions that remain to be addressed. What are the functions of sirtuins in different cell types and tissues? Are all sirtuins involved in the regulation of metabolism and aging? What is the functional relationship between different sirtuins? What are the mechanisms of regulation of sirtuin activities? What is the role of sirtuins in disease and therapy? This issue aims to address these and other critical questions, relevant to Research Topic on sirtuin biology and therapeutics. To that end the issue solicits expert opinions of sirtuin research on structural biology, biochemistry, cell biology, animal genetics, pharmacology, medicinal chemistry and drug discovery, and on areas of investigation studying human conditions, like diabetes, cancer, cardio-vascular, and neutodegeneration. Of particular interest are the new methods and assays to study sirtuins in various organisms and developing sirtuin-based therapeutics. Furthermore, we propose to encourage contributors to discuss new concepts and paradigms, and to express their perspectives on the future development of the sirtuin research field. Altogether, we believe this issue provides a unique opportunity for comprehensive and diverse coverage of the topic, and will be of broad interest for the journal's readership.

In September, 1976, the International Federation for Cell Biology held its first congress in Boston. On this occasion Berlin was chosen as the site for the next congress. This meant an acknowledgement and at the same time a heavy burden for the still young European Cell Biology Organization, which repre sents a junction of European societies and groups for cell biology. In practical terms, this meant that the members of the young and, compared to the Ame rican Society for Cell Biology, small German Society for Cell Biology had to do a good deal of the organizing of the Cell Biology Congress. This is an op portunity for me, as Chairman of the Organizing Committee, and also on be half of the German Society for Cell Biology, to express my gratitude to all those who have actively participated in the preparations for this Cell Biology Congress. The success of the Congress in Berlin was to a significant extent due to their work. In particular, I would like to especially thank the

Secretary General of ECBO Werner Franke, Heidelberg, as well as the Chairman of the Local Organizing Committee, Peter Giesbrecht, Berlin, for the excellent job they did. The Congress in Berlin proved to be significantly larger than that in Boston in 1976. The number of abstracts increased from 1200 to more than 1800. They have been published in the European Journal of Cell Biology. In a simi lar way the number of symposia and workshops expanded. The Role of the Gastrointestinal Tract in Nutrient Delivery contains the proceedings of the third annual Bristol-Myers Symposium on Nutrition Research, held on December 1-2, 1983 in Washington, D.C. Contributors focus on the knowledge and research findings concerning the role of the gastrointestinal tract in nutrient delivery. This text is organized into 15 chapters and addresses topics such as gastrointestinal motility; hormonal regulation of growth and function; the mechanisms of digestion and absorption; and the diverse effects of intestinal contents on nutrient absorption and antigenic response. The discussion begins with an overview of the gastrointestinal tract, with emphasis on factors that affect the growth of gastrointestinal mucosa and the implications for nutrition. This book then turns to kinetic and biochemical parameters related to the development of several diseases of the gastrointestinal tract. The reader is also introduced to the basic aspects of organization of the systems in which peptides act as regulators of digestion; the role of endogenous prostaglandins in the gastrointestinal tract; and gastric secretion. A chapter on the age-related functions of digestive tract organs concludes the book. This book will be of value to physicians and scientists as well as students and researchers who have an interest in the crucial role of the gastrointestinal tract in converting food into the nutrients the body uses to sustain its functions.

1. INTRODUCTION In the Spring of 1975 we held an international workshop on the Foundations and Application of Decision Theory at the University of Western Ontario. To help structure the workshop into ordered and manageable sessions we distributed the following statement of our goals to all invited participants. They in turn responded with useful revisions and suggested their own areas of interest. Since this procedure provided the eventual format of the sessions. we include it here as the most appropriate introduction to these collected papers result ing from the workshop. The reader can readily gauge the approximation to our mutual goals. 2. STATEMENT OF OBJECTIVES AND RATIONALE (Attached to this statement is a bibliography; names of persons cited in the statement and writing in this century will be found referenced in the biblio graphy - certain 'classics' aSide.) 2.1. Preamble We understand in the following the Theory of Decisions in a broader sense than is presently customary, construing it to embrace a general theory of decision-making, including social, political and economic theory and applica tions. Thus, we subsume the Theory of Games under the head of Decision Theory, regarding it as a particularly clearly formulated version of part of the general theory of decision-making.

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